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OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MARCH 20, 1909.

**PUBLISHER'S NOTICE TO ADVERTISERS.**

Advertisers are desired to take note that the advertisements of Businesses for Disposal and Wanted, Situations Open and Required, Exchange Column, &c., belong to the **PREPAID CLASS**, and to ensure the due insertion of the announcements the remittances must accompany the instructions. A great amount of unnecessary correspondence is occasioned by the non-observance of this regulation, and the Publisher hopes that the advertisers will assist in the quick preparation and despatch of the Supplement by strictly observing this rule. Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

# THE SUREST WAY

*to get what you want is to  
advertise in this Supplement.*

*IT PAYS TO PAY FOR IT.*

## CHEMISTS' TRANSFERS.

**Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.**

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—CITY.—Old-established Business; Retail and Dispensing; returns between £2,500 and £3,000 per annum; scope for development; profits above the average; price £2,500, or Partnership would be entertained.

2.—LIVERPOOL STREET STATION (within easy distance of).—Middle-class Business, situate in busy main thoroughfare; held by vendor 26 years; returns under management about £500 yearly; present rate less; rent £60; sub-let £49; early sale desired; no reasonable offer refused.

3.—HOME COUNTY.—Unopposed Business, chiefly Ready-money; returns £500 (about); net profit exceeds £150; vendor leaving; purchased another Business, which requires his whole attention; is willing to sell for the sum of £250.

4.—LONDON, W.—Dispensing and Light Retail Business; established about 30 years; returns between £1,300 and £1,400 per annum; gross profit £630; comfortable house; private entrance; price £850.

5.—LONDON, W.C. Good-class Business; Retail and Dispensing; capital opening for Dentistry; returns between £850 and £900 (present rate); gross profit £400; large double-fronted shop; corner position; price £700, or near offer entertained.

6.—LONDON, S.W.—Main thoroughfare, modern Pharmacy; General Retail and Photographic; returns £1,050, increasing; net profit 25 per cent.; house contains 7 rooms, bath-room, etc.; rent £60; long lease; price £650.

7.—SHOREDITCH (near) (Death Vacancy).—Neglected Business; Retail and Prescribing; established many years; excellent opening for a young energetic man with small capital; price required for stock, fixtures, and goodwill £75.

8.—MALVERN (near) (Market Town).—Good-class Business; held by vendor many years; returns average about £1,200 per annum; scope for large development; roomy shop; situate in the centre of market-place; long lease; terms, lease and goodwill, £100; stock and fixtures at valuation.

9.—KENT (Inland Health Resort).—Established Business; all good middle-class trading; returns average over £700 per annum; present rate less; the shop is well fitted in mahogany and plate glass; rent £60 yearly; price £500.

10.—MIDLANDS (Inland Watering Place).—High-class Business; Retail, Dispensing, and Optical; returns about £600 per annum; handsome shop; situate in the centre of town; price £350; death cause of sale.

11.—YORKS (Health Resort).—High-class Dispensing and Retail Business; returns, including small branch, about £900 yearly; present hands 50 years; immediate sale desired; no reasonable offer refused.

12.—NORTH WALES.—Vendor retiring; good-class Business; held by vendor 30 years; returns between £600 and £700 yearly; good prices obtained; roomy house; new lease; reasonable offer would be accepted.

13.—WESTERN COUNTY.—Ready-money Business; Retail and Prescribing; returns £500 (about); net profit one-third; large well-fitted shop; nice house; rent £35 yearly; price £400.

14.—NORTH OF ENGLAND.—Modern Pharmacy; capitolly situated in the centre of town; returns exceed £1,500 at fair prices; handsomely-fitted shop, fully stocked; intending investors with £1,250 at command will find this a sound investment.

Particulars of any of the above will be furnished on application.

**N.B.—NO CHARGE TO PURCHASERS.**

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.,**



# BRETT & CO.

**CHEMISTS' VALUERS AND TRANSFER AGENTS,**

Telegrams: "Brett Leicester."

**8 WEST STREET, LEICESTER.**

Telephone: 165 Y.

**VALUATIONS** have always had our special and personal attention, and an experience of thirty years is at your disposal. **AGENCY.**—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell and who do not wish their businesses to be advertised.

**STOCKTAKING SPECIALISTS TO THE ENTIRE DRUG TRADE.**

**LEICESTERSHIRE.**—Old-established Light Retail; in busy market town; best position; splendid Proprietaries; returns about £550; price £450 or offer; must be sold owing to breakdown in health; good house and premises.

**YORKS.**—High-class Light Retail and Dispensing in inland health resort; returns about £1,000 (2 businesses); fine Shops at low rents; profitable; price about £850; grand opportunity to acquire a first-class concern.

**MIDLANDS.**—Good-class Light Retail, with Photo trade and nice Optical connection; splendid position in main street of busy town; returns £1,400; valuation of stock and fixtures.

**LIVERPOOL.**—Good middle-class Retail, now under unqualified management; grand opening for Photographic and Optics; returns £630; net profit £200; price £400; splendid opportunity.

**MIDLANDS.**—Middle-class Light Retail, Prescribing, and own Preparations; nice double-fronted shop; good house and garden; old established; returns under manager £570; net profit £200; valuation about £400; can be greatly increased.

**NORTHANTS.**—Good medium-class Country Business; Photo, Dispensing, and Specialities; very good shop and premises, and rent exceptionally low; returns £500 (over); net profit £225; price £450; worth attention.

**DERBYSHIRE.**—Good Mixed Family Retail, Prescribing, and own Specialities; returns £600 under manager; nicely-fitted shop (look-up); unopposed; price £250.

**LINCOLNSHIRE.**—Splendid Light General Cash Retail, with Photo trade; in good position of main business street of a very busy town; good shop; low rent; returns £1,400 under manager; valuation of stock and fixtures, about £600; a bargain.

**WANTED, IMMEDIATELY,** several good-class Businesses, Midlands or North, returning from £800 to £2,000; although we have been most successful recently in disposing of a large number of businesses, we have still a great many clients on our books *unsuited*, and we are in a position to effect a speedy sale without publicity. Write us at once.

**STOCKTAKING.**—Allow us to point out the necessity of having your Stock taken for "Fire Insurance" and "Balance-Sheet" purposes. Let us send you our terms.

**YORKS.**—Good Family Retail and Prescribing; now doing £10 per week and rapidly increasing; grand opening for Photographic and Dentistry; rent £26; good house and shop; busy town; price only £160; a bargain.

**GLOUCESTERSHIRE.**—Unopposed Light Retail, Photographic, and Dispensing; good shop and house; large garden; very old established; returns £530; net profit £200; price £425.

**MIDLANDS.**—Good-class Light Retail, with Photo trade and nice Optical connection; splendid position in main street of busy town; returns £1,400; valuation of stock and fixtures.

**LIVERPOOL.**—Good middle-class Retail, now under unqualified management; grand opening for Photographic and Optics; returns £630; net profit £200; price £400; splendid opportunity.

**MIDLANDS.**—Middle-class Light Retail, Prescribing, and own Preparations; nice double-fronted shop; good house and garden; old established; returns under manager £570; net profit £200; valuation about £400; can be greatly increased.

**WARWICKSHIRE.**—In a fashionable health resort; a good-class Light Retail and Dispensing Business, with Photographic; nice house and shop; returns £550; profitable; no reasonable offer refused; this is an excellent opportunity to acquire a genuine bargain.

**YORKS.**—Good Family Retail and Prescribing; now doing £10 per week and rapidly increasing; grand opening for Photographic and Dentistry; rent £26; good house and shop; busy town; price only £160; a bargain.

**DERBYSHIRE.**—Very good-class Retail, in a particularly good residential district and no competition; returns £500 and can be greatly increased with attention; price £200; low rent; good premises.

## MESSRS. BERDOE & FISH,

*Chemists' Valuers and Transfer Agents,*

**35 JEWRY STREET, FENCHURCH STREET, CITY,**

**TELEPHONE: 1809 CENTRAL**

**Have the following Businesses for Disposal. (No charge to Purchasers.)**

1.—**SURREY** (Charming Locality).—First-class Family Retail and Dispensing Business, producing a clear net profit of nearly £450 yearly (proof given); modern, up-to-date Pharmacy; very best position; fully stocked; splendid house; price £1,200; references required.

2.—**HAMPSHIRE** (Market Town).—Light Family Retail; returns over £900; best position; price £775, or near offer.

3.—**KENT.**—Unopposed Light Country Retail; returns £800; net profit £300; easily worked; price £600.

4.—**MIDLANDS** (Health Resort).—High-class trade; returns under manager £750, capable of increase; valuation required.

5.—**SOUTH COAST.**—Good-class Retail and Dispensing; returns about £1,000; good profits; price £50 and valuation.

6.—**GLOUCESTERSHIRE.**—Unopposed Light Country Retail; returns about £500; net profit £180 to £200; price £400.

7.—**DERBYSHIRE** (Small Town).—Mixed Country Retail; returns £850; best position; price for quick sale £375.

8.—**HERTS.**—Good-class Retail; returns £700; net profit £177; modern Pharmacy; well stocked; price £430, or offer.

9.—**SUFFOLK.**—Unopposed Village Retail; returns £5 weekly, will soon do £7 to £8; large house; low rent; price £100.

10.—**LONDON.**—Light Cash Retail; splendid main road position; returns £1,500; net profit £385; price £850.

11.—**LONDON** (West End).—High-class Retail and Dispensing; returns £20 weekly; excellent profits; corner position; price £700.

12.—**WEST KENSINGTON.**—Light Retail and Dispensing; returns nearly £1,400; net profit £390; price £850.

13.—**SOUTH OF ENGLAND.**—Old-established Light Retail, Dispensing, and Prescribing Business; returns average £1,350; net profit £450 to £500; very best position; good reasons for selling; price £1,275.

14.—**N. WALES** (Health Resort).—Good-class Retail and Dispensing; splendid position; returns £870; net profit £290; price £700.

15.—**HOME COUNTY** (Market Town).—Light Family Retail; returns £850; scope for doing £1,200; price £50 and valuation.

16.—**KENT** (Favourite Locality).—Returns £675; good profits; main road position; plenty of scope for increase; price £450.

17.—**YORKS** (East Riding).—Good-class Country Retail; same hands many years, retiring; returns £400; has done £750; low rent; valuation only required.

18.—**WILTS.**—Good-class Family Retail; unopposed; returns £460; good profits; price £350, simply valuation.

19.—**COUNTY DURHAM.**—Good-class Light Retail, in good position; returns £654, increasing; net profit £200; price £400.

20.—**MANCHESTER** (Near).—Genuine Light Retail, in very good position; returns over £600; net profit £185; price £300, or valuation.

21.—**SURREY** (Suburb).—Returns £18 to £20 weekly, increasing; good position; modern Pharmacy; well stocked; price £600.

22.—**LONDON, N.W.**—Profitable Cash Retail; returns £578 under manager; net profit £200; price £400.

23.—**LONDON, S.E.**—Light Suburban Retail; returns £600; net profit £240; price only £325.

24.—**LONDON, N.**—Ill-health sole cause of sale; returns £670; net profit £238; price £350.

### BUSINESSES WANTED.

MESSRS. BERDOE & FISH have several clients requiring to purchase for cash Businesses returning £1,000 to £2,000, in good Market or Provincial Towns, 50 to 100 miles of London. Vendors of such concerns will find a cash purchaser quickly and privately by communicating with us.

**J. G. BERDOE** established the firm in 1870, and **W. S. FISH** was apprenticed to him in 1877.



# PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVEYS & CO.  
Telephone: MESSRS. MEGGESON & CO.  
No. 27 Victoria. MESSRS. BARCLAY & SON, LTD.

LONDON, S.E.—Good-class Retail, Photo, and Dispensing (700 new per annum); Store price for Patents; well stocked; rent £70; lease 14 years unexpired; owner taking up an appointment; returns £600 (last 3 years); net profit £140; price, valuation stock and fixtures.

LONDON, S.W.—Middle-class Dispensing and Retail; returns £780 (last 3 years); net profit £230, good prices; several Proprietaries; rent £75; lease 12 years unexpired; roomy shop and back room; price £375; genuine bargain.

IN best position good seaport town, Dorsetshire, old-established Family Retail and Dispensing; returns £1,400; rent £110, lot off £50; price £200 and valuation.

LONDON, S.E.—Old-established Retail; very much neglected; will return £20 week in good hands; Post-office attached, paying over £100 per annum net; price about value of stock and fixtures.

GOOD South Coast town, centre of principal street, one of the best known Family and Dispensing Businesses; lately neglected from ill-health; now returning over £1,000; with good Photographic connection; purchasers having £700 capital at command can have address for private contract; vendor retiring.

# FREDK. WM. SMITH

LICENSED CHEMISTS' VALUER.

Valuations for transfer of business, Probate, &c. Business for disposal. Stocks and Fixtures purchased to any amount for cash. Stock takings undertaken. A Register kept of Assistants and Chemists requiring Assistants; no charge made.

3 Belgrave Terrace, LEEDS.

TELEPHONE 02949.

# TOM TOM

Telegraphic Address.

THOS. TOMLINSON & SON.

Chemists' Valuers and Expert Stocktakers.

Businesses transferred privately.

25 NEW CANNON STREET, MANCHESTER.

## BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

### COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

**BERKSHIRE.**—£575 will purchase a good-class Retail and Dispensing Business with Photographic connection; established many years; returns average £850; net profit £225 after paying assistant and all expenses; exceptionally well stocked; books properly kept; would accept bare valuation if preferred. Apply, "Sound" (240, 04), Office of this Paper.

**CHESHIRE.**—Old-established Shop; busy thoroughfare; near centre important town; total purchase price, including stock, about £98; satisfactory man with good references could make payment by instalments; would suit energetic young man anxious to become his own master; if attended to would make £5 week in 12 months. Write, "Druggist," c/o E. Noel Humphreys, Chartered Accountant, Chester.

**CITY OF LONDON** (main thoroughfare, leading to Leadenhall and Fenchurch Streets).—Very old-established Chemist's (late W. Smart); profitable trade done; lease, fixtures, and fittings and up-to-date stock for Disposal, or Shop to Let; moderate inclusive rent. Apply, Stanmore, 31 Alexandra Villas, Finsbury Park, London, N.

**DURHAM COUNTY.**—Chemist's Business for immediate Disposal, comprising Dental, Photographic, and Agricultural; Wine-licence; good shop and fittings; in rapidly increasing neighbourhood; under management increasing at good profits; only Chemist; low rent; lease offered; easy terms to suit genuine purchaser; satisfactory reasons for disposal. Apply, Marley House, Haswell.

**DURHAM COUNTY** (in Pleasant Village).—Business doing £12 per week under manager; Light profitable trade; good house, garden; rent £33; price £350, or valuation. Apply Hirst, Brooke & Hirst, Ltd., Leeds.

**EAST COAST** (very popular resort).—Established over 50 years; corner of main street; double windows; very prominent position; rent only £25; good house and warehouses; last year's turnover under unqualified manager £400; qualified man could do double; has done over £1,000; been much neglected; few patents; price £300; an exceptional chance; fullest investigation invited; a splendid opening for Photography, which has not been touched. "Ego" (238/101), Office of this Paper.

**LIVERPOOL.**—Retail and Dispensing Business; established over 20 years; owner retiring; vacant end of March; high-class, thickly-populated neighbourhood; capital house; separate entrance; suit Dentist; rare chance for beginner; no goodwill; fixtures optional. Apply, 220 West Derby Road, Liverpool.

**LONDON, W.**—Owing to death. High-class Retail and Dispensing Business; well-fitted shop, fully stocked; good house, upper part and small attached shop well let; further details on application. Address, Ninnis, 37 Crawford Street, Bryanston Square, Marylebone, W.

**LIVERPOOL.**—Business established over 50 years; same hands for last 35 years; steady, profitable General trade; very few Patents; takings £550 to £650; must be sold promptly by executors in order to close an estate; price £300 or close prompt offer. Apply, 246/34, Office of this Paper.

**LONDON.**—Opportunity of a lifetime; smart Business, doing £750 to £800 year, in market thoroughfare; must be sold immediately; present proprietor too ill to continue; well stocked and fitted shop; £300 required; well worth £450. Apply, 236-51, Office of this Paper.

**LONDON SUBURB.**—Well-established and successful Retail, Dispensing, and Prescribing Business; rapidly growing district; elegant Pharmacy; excellent stock; best position; main street; good house; low rent; genuine business; easily worked; returns £700; one-third net profit; books, receipts, etc., produced; a bargain at valuation (about £300 cash); references. "Success" (240/12), Office of this Paper.

**LONDON.**—Very attractive Shop, heavy stock; well fitted; in main market thoroughfare; returning over £1,500; net profits nearly £400; good house and every convenience; for immediate Disposal; price £850; good reasons for selling. Apply, 236-15, Office of this Paper.

**MIDLANDS.**—Splendid Business; suit unqualified man who can Prescribe and Extract; no opposition; large working-class district, suburbs; practically no Poisons asked for; rent very low; corner shop, with good house attached; net profits nearly £4 per week; valuation (about £200); a genuine bargain. Full particulars on application, 237/27, Office of this Paper.

**LONDON, N.**—For immediate Disposal, a good-class Business doing £15 weekly; capable of good increase; long lease; rent £60; modern house; good reasons for disposal; a smart man would soon develop a splendid business; price £375. 236-105, Office of this Paper.

**S.E. LONDON.**—Owing to death, an old-established Business; double-fronted shop, well stocked and fitted, for Disposal at price of stock and fixtures; cash down, or easy payments to genuine man; this is worth inquiring about to a man who really intends purchasing. Apply, 230-9, Office of this Paper.

**S.E.**—For Sale, genuine little Drug-store; nicely fitted and stocked; in densely populated neighbourhood; no Chemist near; doing under lady's management (unqualified and improver) from £4 to £5; has done £7, but neglected; easily doubled by good Prescriber; splendid opening for qualified man; rent 10s. inclusive; illness cause of sale; lease; price £160; part could remain. 247/24, Office of this Paper.

**SHROPSHIRE.**—For immediate Disposal, sound, old-established Business in healthy market town, consisting of Family, Prescribing, Photographic, and Agricultural, with Seeds; unopposed; takings this year average £13 per week; good profits; low rent; easy hours; easily managed; owner taking larger business. Full particulars on application, "Photo" (236-9), Office of this Paper.

**SURREY.**—First-class Retail and Dispensing Business, in best position of charming residential locality; rapidly growing; steadily increasing turnover; net profit about £450; unlimited scope for Optics; large convenient house; stock and fixtures worth £1,000; price about £1,200; most desirable business; fullest investigation invited. Address, "B. P." (240/40) Office of this Paper.



## BUSINESSES FOR DISPOSAL

(continued.)

**WORKSHOP** (The Dukeries).—Compact Country Business in this delightful district; returns £9 under manager; could be doubled; well fitted and stocked shop; price £250, or valuation. Apply, Hirst, Brooke & Hirst, Ltd., Leeds.

**CHEMIST'S Business for Sale.**—For Sale, the Business of Chemist and Druggist, which was carried on by the late Mr. John Alexander, Junior, at 624 King Street, Aberdeen; stock light; immediate entry can be had to the shop, and a lease of it arranged for if desired. Apply to Messrs. Meston & Co., C.A., 6 Golden Square; or Hunter & Gordon, Advocates, 80 Union Street, Aberdeen.

**DENSELY Populated.**—Splendid opening for young, up-to-date Store Chemist; centre of all the "company shops"; established 20 years, on "Specialities" lines; ill-health cause sale; much neglected; immediate purchaser wanted; Specialities optional; children's powders and cough-mixture pay rent (£36); lease; double-fronted shop; very cheap. Sykes, Chemist, High Street, Plumstead.

**MUST Sell**, owner leaving the trade, small Retail, well stocked and fitted; shop and 2 rooms under extensive middle-class residential flats; opening for Dentistry, Optics, and Photo goods; price £160 or first reasonable offer. "Chemist," c/o The Choral Harp Co., Ltd., 68 Pentonville Road, London, N.

**£50;** small Business in large country village; nearest Chemist £12; price £50. "Collins" (238/11), Office of this Paper.

**£250;** good Business in Manchester district; Light Retail, Prescribing, and Photographic; excellent corner premises; no opposition; ample scope for increase; returns over £375 at good prices; few patents; this is a splendid chance for a smart man; good opening for Side-lines. Apply, "X. Y. Z." (237/5), Office of this Paper.

**£350;** genuine bargain; a modern-fitted and up-to-date Drug-stores; fitting up shop cost £250; immense stock, including over £50 in good Patent Medicines; large shop; 7 nice rooms, store-room, and basement; weekly takings average £13; no opposition; grand chance for smart man; a trial allowed. Apply, "Seidlitz," 75 Portway, West Ham, E.

## SALES BY AUCTION.

PICKERING, NORTH YORKSHIRE.

**TO be SOLD by AUCTION** by Messrs. English & Son at the White Swan Hotel, Pickering, on WEDNESDAY, 7th April, 1909, at 3 p.m., **DESIRABLE FREEHOLD BUSINESS PREMISES** in the Market Place, Pickering, and the **GOODWILL** of an old-established Chemist's, Wine, Spirit and Beer, and Sheep-Dip Manufacturing Business.

For particulars, apply to

MR. J. D. WHITEHEAD,  
Solicitor,  
Pickering.

BURGHLEY STREET, DERBY.

**MESSRS. J. & W. HEATHCOTE** will **SELL by AUCTION**, as above,

On **MONDAY** next, **MARCH 22, 1909**, at 11,

the whole of the Manufacturing **CHEMISTS' PLANT AND MACHINERY**;

also the whole of the remaining **STOCK-IN-TRADE**.

Detailed Catalogues now ready, and may be obtained from the Auctioneers, The Mart, Derby.

## PARTNERSHIPS.

**PHARMACIST** (37), having relinquished business, is open for position as Buyer, Director, or Manager for company; General Family and high-class experience; undeniable references; Liverpool, Manchester preferred, but not essential. Address, 236/11, Office of this Paper.

**WANTED**, qualified Chemist as Partner in sound, well-established Mixed Country Retail Business showing excellent profits; Nottinghamshire; returns over 1,600%; capital required about 500%; large shop; low rent; long lease; central position; proprietor, having other duties, cannot give the business attention; every investigation courted; applicants must furnish references as to bona fides. Appleton, Walkley Pharmacy, Sheffield.

## TO LET.

**BRIGHTON.**—Chemist's lock-up Shop; main road; excellent corner position; in good residential quarter; premium for fixtures £20; rent £26. Apply, Bennett, 119 Lewes Road, Brighton.

**CARSHALTON.**—Commanding position; Shops erected to suit tenants; several already built and let; splendid opportunity for Chemist; centre of large, good-class, and rapidly-increasing district. Further particulars of Sandiford & Co., Estate Agents, Carshalton Parade, Carshalton.

**HIGH STREET, Harlesden.**—Modern Shop to be Let, in the best position, with excellent living-rooms and back entrance; a first-rate opening for a Chemist and Druggist, in an established centre; rent £110 per annum, with a period free, or the shop might be fitted. Apply to Messrs. H. E. Foster & Cranfield, Surveyors, 6 Poultry, E.C.

**SHEFFIELD.**—Very old-established Chemist's Shop, centrally situated, will be Let to likely applicant at very low rent. Apply, W. Smith & Sons, 16 Campo Lane, Sheffield.

**CHEMIST'S Shop** in main road, Peckham; excellent position; just outside station; well fitted; low rent; small premium for fixtures. Apply, C. Rawley Cross & Co., Ilchester House, Uxbridge Road Station, W.

**CHEMISTS.**—Splendid Opening.—Handsome Shop, No. 576 High Road, Leytonstone (best part); 9 comfortable dwelling-rooms, large garden, stable, back entrance, etc.; rent £60; inspection invited; key, No. 572. Mr. Bacou (Landlord), 25 Liverpool Street, E.C.

**SHOP to Let**; splendid opening for a Chemist and Druggist; no other Chemist shop in the road or near; 86 Moyser Road, Streatham. Apply, H. Thorp, 42 Pretoria Road, Streatham.

**SHOP Premises to Let** in busy high road, Chiswick; good opening for Chemist; fittings all round shop suitable for this trade; splendid position; 7 large rooms above shop; back entrance; rent, including use of fittings, commencing £90 p.a. Apply, Leeder, 96 High Road, Chiswick.

**SHOP to be Let** from March quarter; Chemist; over 7 years in same hands; suitable for beginner; moderate rent; will be put in thorough repair; 2 floors can be let off. Apply, 12 Chaplin Road, Wembley, Middlesex.

## BUSINESSES WANTED.

**ADVERTISER** with £100 capital wishes to Purchase sound Mixed Country Business where qualifications are not essential. Please state returns, net profits, and full particulars, which will be treated confidentially, to Browne, 23 Alfred Street, Bow, London, E.

**ADVERTISER** wishes to Buy small Country Business; £100 down; rest by arrangement; South of England. Apply, "D. M. W." (236/16), Office of this Paper.

**WANTED**, small Chemist's Business, Dispensing and Retail, with house attached; side door; Devonshire or Cornwall preferred, or would entertain Partnership in genuine concern. Particulars, price, turnover, profits, rent, etc., in first letter, which will be treated confidentially, 239/5, Office of this Paper.

**WANTED**, a good-class Business; returns between £750 and £1,500. Full particulars, in confidence, "B. O." (244/46), Office of this Paper.

**WANTED**, in Midland, Eastern and Northern Counties, Businesses returning £1,000 to £3,000 yearly; Messrs. Berdoo & Fish have cash buyers waiting to secure genuine businesses. Intending vendors should communicate with the above firm at their Transfer Valuation Offices, 35 Jewry Street, Fenchurch Street, E.C.

## AGENCIES.

**AGENCY** wanted; Wholesale firm with City office, central for shipping trade, is prepared to undertake the representation of one or two good lines on commission. Apply, first instance, 210/37, Office of this Paper.

**GENTLEMAN**, with Office, Showrooms, centre Liverpool, employing several Travellers, calling upon all Chemists, Lancashire, Cheshire, and having several valuable Agencies, is open to Represent another firm of good standing; I have gigantic connections with all Chemists here; will save expense of having man solely to represent a firm. Jones, 20 Oakdale Road, Liverpool.

## FOR SALE.

**C**HEMIST'S high-class Fittings, cleared from 176 High Road, Streatham; only in use 3 years; wall-fitting, 40 ft. long, with drawers under with glass knobs and tablets, with handsome carved pediment and clock in centre, can be divided into 3 sections; chemist-serving counter with plate-glass doors in front, drawers and shelves at back, 22 ft. long; handsome dispensing-counter, fitted with 2 cases with glass shelves, mirror centre, and carved pediment, back fitted with drawers and shelves 11 ft. long by 6 ft. high; massive perfumery wallcase, 15 ft. long by 9 ft. high, fitted with plate-glass doors top and bottom; 40 yards inlaid lino; 2 cut-glass window show bottles, 3 outside lamps, 3 inside ditto, several counter-cases, and other fittings; cheap to clear; room wanted. Radin & Co., 384 Old Street, adjoining Shoreditch Town Hall, London. Telephone 5187 Central.

**S**MALL quantity of Dental-wax, Composition, second-hand Stop-cocks, Foot-plates, double Unions for Gas apparatus, to be Disposed of very cheap. 241/4, Office of this Paper.

**F**OR Disposal, unique Patent; suitable for Druggists' Sundries-man; likely to command a large sale. 244/105, Office of this Paper.

**F**OR Sale, entire Fittings for Chemist's shop; mahogany; excellent condition; seen in London. 244/15, Office of this Paper.

## SALES BY PRIVATE TREATY.

**L**ONDON, S.W.—Advertiser, who is engaged in other kind of business, wishes to Sell by Private Treaty his good-class Retail and Dispensing Business; no Photography or Optics; mostly ready-money, and making a net profit of £350 per annum, lock-up shop; price £1,000; a good introduction given; a fine opportunity for a young man to considerably increase the business. "Value" (236/38), Office of this Paper.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

**RESULTS**  
OF ADVERTISING IN THIS SUPPLEMENT  
LAST WEEK *Mar 13* 1909

NATURE OF ADVT	REPLIES
UNQUAL ASSIST	47
"MANAGER"	39
UNQUAL ASSIST	33
QUAL MAN	30
BUSINESS	26
FOR DISPOSAL	12

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

### RETAIL.

#### PERFECTLY SATISFIED.

**A** BRIGHTON SUBSCRIBER WRITES: "I thought perhaps you would like to know that I had forty replies to my advertisement for a Junior Assistant in the Supplement of March 13."

**B**IRMINGHAM.—Part-time Assistant; duties light; Retail; suitable for Minor Student. References, age, height, salary required, to Johnson, Chemist, Stirchley, Birmingham.

**B**OGNOR.—Wanted, for the end of March, qualified Assistant; must be well up in Dispensing and Photography; outdoors; age about 25. Kindly give full particulars in first letter, Arthur Miller, Chemist, Bognor.

**B**RISTOL.—Wanted, energetic, qualified man as Branch Manager; knowledge of modern business methods; must be able to produce satisfactory references and must have had good experience. Apply, with full particulars, age, height, salary, etc., and enclose photo, if possible, to Managing Director, 5 Nelson Street, Bristol.

**B**URMA.—Qualified Assistant required, with a knowledge of Sight-testing preferred, for a British firm of Chemists; single; age not under 25; must have sound constitution; 4 years' agreement; salary £200 per annum and advance of £20 each year; hours 7.30 A.M. to 7 P.M., 2 hours' rest; no night duty; second-class passage paid out and home. Apply "R. L.," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

**B**RISTOL.—Wanted, a gentlemanly Junior; indoors. Apply, stating age, experience, salary required, with photo (to be returned), to A. G. Kenderdine, Oakfield Road Pharmacy, Clifton, Bristol.

**C**ALCUTTA.—Wanted, by well-known firm, qualified (Minor) man with good experience and first-class references; about 24; must be single; passage paid out and home; 4 years' agreement; salary first year 200, second 225, third 250, and fourth year 360 rupees per month. Apply, giving full particulars of experience, etc., to 259, 39, Office of this Paper.

**C**ARLISLE.—Qualified Assistant (indoors, about 23 years of age) for good-class Dispensing business. Apply by letter, with full particulars, photo, and salary required, to Jno. S. Hallaway, Pharmaceutical Chemist, Carlisle.

**C**ARLISLE.—Qualified Assistant, thoroughly reliable, energetic, for brisk Retail in a good-class Dispensing and Mixed business. Kindly send age, qualification, references, experience, salary required, and photo (outdoors), Ridley, Chemist, Carlisle.

**C**ASTLEFORD.—Wanted, qualified branch Manager; married; Extractor; abstainer preferred. Apply, with usual particulars, salary required with house, and enclose photo, to T. C. Binks, Carlton Street, Castleford.

**D**EMERARA.—Wanted, Assistant; Minor qualification; Englishman preferred; age not more than 25 years; unmarried; a good Salesman and possessing practical knowledge of the Wholesale trade; must be of sober habits, honest, reliable, and trustworthy; three years' engagement; salary first year £75, second year £85, third year £95, with board and lodging in principal's house; first-class passage paid. Letter only, H. E. Stevenson, 4 Jewry Street, E.C.

**G**RIMSBY.—Reliable qualified Assistant to take charge of branch; good Counterman and Window-dresser; permanency to suitable man. Give full particulars in first letter to save time, age, references, salary required, and photo, if possible (to be returned), J. A. Moore, Chemist, Grimsby.

**G**UILDFORD.—Qualified Junior wanted, early in April, for a Light Retail and Dispensing business. Apply, stating age, height, references, and salary required (outdoors), to W. Jacobs, Chemist, Guildford.

**L**ICHFIELD.—Wanted, an indoor Assistant, unqualified, for a Light Retail business; easy hours; must be a good Extractor and quick Dispenser. Apply, with full particulars as to salary asked, experience, etc., enclosing photo, if convenient, to D. C. Lloyd Williams, City Pharmacy, Lichfield.

**L**IVERPOOL.—Qualified Assistant; single; indoors. State age, height, and salary required, S. Stephenson, F.C.S., Pharmaceutical Chemist, 98 Kensington, Liverpool.

**L**IVERPOOL.—Qualified Manager; beginning April; knowledge of Optics and Photography; house and gas found. State salary and full particulars to R. B. Lee, Litherland, Liverpool.

**L**ONDON, S.W.—Wanted, Manager, qualified, married, for ordinary London Retail and Prescribing business, with Photography; small house. Apply, personally or by letter, with full particulars, to Eunes & Co., 91 High Street, Wandsworth, S.W.



# SITUATIONS OPEN *(continued).*

**LONDON, S.W.**—Wanted, shortly, qualified man, unmarried, about 26, outdoors, for up-to-date Light Retail and Dispensing business; knowledge of Photographics essential; abstainer preferred. Apply, by letter, stating full particulars, to C. Breese, 73 Mitcham Lane, Streatham, S.W.

**LONDON, W.**—A competent trustworthy Assistant; accustomed to good-class Dispensing business. W. Pickard, 3 West Kensington Terrace, W.

**LONDON, N.**—Qualified Manager; not over 30; knowledge Photography; outdoors; one whole day off weekly. Long, 26 Stamford Hill, N.

**LONDON, E.**—Qualified Assistant (indoors) for Suburban business; capable of management. Please state age, salary required, experience, and references, enclosing photo, Tiltman, 215 High Street North, East Ham.

**LONDON, W.**—A qualified Assistant as Senior; indoors. Apply, by letter in first instance, to "X. Y. Z.," c/o Messrs. Hearon, Squire & Francis, 38 Southwark Street, S.E.

**LONDON, N.W.**—Senior Assistant; qualified preferred; must be a good Dispenser; indoors; good salary. Walton & Curtis, 190 Broadhurst Gardens, West Hampstead, London, N.W.

**LONDON, N.**—Wanted, at once, an elderly, smart, qualified man; a comfortable berth; permanency; outdoors. Give 2 references and send photo (state salary), 234/26, Office of this Paper.

**LONDON, W.**—Wanted, qualified Junior Assistant (about 23 or 24), indoors, with good Dispensing experience. Apply J. Munro & Co., Ltd., 273 Regent Street, London, W.

**LONDON, W.**—Junior, with good Dispensing experience; outdoors. Full particulars of previous engagements, age, height, and salary expected, and when disengaged, or apply personally, to Sharpe & Son, 34 High Street, Notting Hill Gate, W.

**LONDON, N.E.**—Junior Assistant (outdoors), unqualified, for a Cash suburban Branch business. State age, height, experience, salary expected, and enclose photo, if possible (to be returned), to Matthews & Son, Chemists, 722 High Road, Leytonstone, N.E.

**LONDON, E.**—Wanted, at once, qualified Assistant; outdoors. Apply, stating salary required, to W. Ballard, 393 Commercial Road, London, E.

**LONDON, N.W.**—Wanted, early in April, Assistant; indoors; age 22 to 26; accustomed to Dispensing; also, immediately, Assistant (outdoors), same age, for three evenings a week and every third Sunday duty. Apply, stating age, height, experience, references, and salary required, in both instances, to Greenish, New Street, Dorset Square, N.W.

**LONDON, W.**—Wanted, a qualified man. Apply, before 10 A.M., 70 Tottenham Court Road, W.; if by letter, state salary required.

**LONDON, S.W.**—Qualified Junior, chiefly for Dispensing; must be accustomed to first-class business and with good Dispensing experience. Apply, with full particulars of former situations, salary asked (outdoors), etc., to 240/2, Office of this Paper.

**LONDON, S.E.**—Qualified Assistant wanted; indoors; comfortable home. Apply, with usual particulars, to "G. S." (239/37), Office of this Paper.

**LONDON, S.W.**—Smart, young, qualified Assistant required; knowledge of Photography and Optics; outdoors. Alfred Owen, Nettle's Pharmacies, Tooting, S.W.

**LONDON, WEST-END.**—Assistant (age 25 to 30), single, indoors or outdoors, for high-class Dispensing business; interview required. Apply, with usual particulars, in first place by letter, to "Mayfair," 127 Cambridge Street, Warwick Square, S.W.

**LONDON (Western Suburb).**—Qualified Manager, at once (30 to 45), for brisk working-class business; comfortable hours; outdoors; smart, energetic, reliable; good Salesman; abstainer, and Extractor preferred; capital could be invested in business if desired; permanency to capable man; salary 40s. week, with dinner daily and good commission. Full particulars in first letter, 240/16, Office of this Paper.

**LONDON, W.**—Assistant, not necessarily qualified, required for good-class Retail and Dispensing business, with Photography; outdoors. Apply, with full particulars, photo, and salary required, to Smith, Chemist, 2 Elmwood Gardens, Acton Hill, W.

**LONDON, N.**—A gentlemanly Senior Assistant, thoroughly reliable and accustomed to a high-class Dispensing and Retail business, by April 17th; about 28 or 30 years of age; must be well up in Dispensing and well recommended; indoors. Full particulars to T. E. Savage, Crouch End, N.

**LONDON.**—Assistant for sharp Store trade; stock, Photographic, etc. Reply, giving usual particulars as to age, height, salary required, references, to 240/35, Office of this Paper.

**MANCHESTER.**—Qualified Manager for Branch middle-class cash business; half-day off weekly from 1 P.M.; alternate Sunday night duty. Apply, stating salary required, copies of last two references, to H. Lockwood, Chemist, Harpurhey, Manchester.

**MANCHESTER DISTRICT.**—Wanted, qualified Branch Manager; one used to Drug-stores preferred; must be of good appearance and competent to take sole charge; one desiring a permanency preferred. Send full particulars as to age, salary required, photo, and references, to "X. X.," care of C. Harrison, Chapel Street, Victoria Bridge, Manchester.

**MID-CHESHIRE.**—Manager for Branch with view to purchase; excellent opportunity for man who would work; good house and well-fitted shop; reasonable terms of payment by instalments could be arranged. "E. M. T.," c/o Barron, Harveys & Co., Giltspur Street, London, E.C.

**NORFOLK.**—An Assistant (outdoors) for good-class Country Retail; knowledge of Photography essential. Please state full particulars to Sydney Count, Chemist, 17 High Street, King's Lynn.

**NORTH STAFFORDSHIRE INFIRMARY, Hartshill, Stoke-on-Trent.**—Qualified Assistant Dispenser wanted at once; commencing salary £80 per annum, with dinner daily; applications, with three testimonials of recent date, to be sent to the undersigned not later than Tuesday, March 30. By order, Albert E. Boyce, Secretary and House Governor, March 18, 1909.

**NORWICH.**—Wanted, Junior; unqualified; outdoors; must have knowledge of Photography and some Dispensing. Apply, giving full particulars, with salary required, J. F. Collin, Chemist, Market Place, Norwich.

**OLDHAM.**—Wanted, qualified Assistant; outdoors; state age, height, experience, references, and salary required, with photo. Address, 234/35, Office of this Paper.

**ST. LEONARDS-ON-SEA.**—Assistant wanted; must have been accustomed to good-class Dispensing and Retail. Apply, with usual particulars, to W. G. Powell, 36 Marina, St. Leonards-on-Sea.

**SOUTHAMPTON.**—Wanted, at once, good reliable Improver; outdoors; one just finished his apprenticeship preferred; time for study given. Apply, with fullest particulars, photo, and salary required, to W. H. Brown, Dispensing Chemist, Freemantle, Southampton.

**SOUTH COAST.**—Assistant (another kept) for middle-class Retail and Prescribing; take charge in absence of proprietor; Extractor willing to assist in Dentistry preferred. State age, experience, qualified, married or single, class of business and hours accustomed to, salary expected, live on or off premises, 237/28, Office of this Paper.

**SOUTH-OF ENGLAND.**—Smart, gentlemanly Assistant required; aged 25 to 30; good salary and permanency for suitable man; must possess exemplary character for honesty, sobriety, and ability as a Salesman. Timothy White Co., Ltd., Portsmouth.

**TEIGNMOUTH.**—Qualified Assistant wanted by April 13th; must be a good Dispenser and Counterman. Apply, with full particulars and salary required (outdoors), to Dring, Teignmouth.

**TUNBRIDGE WELLS.**—Wanted, April 1st, Junior Assistant (age 19 to 20, indoors), for Dispensing and Photographic business. State age, height, experience, salary required, with photo, to W. A. Phillips, Chemist, Tunbridge Wells.

**WEST OF ENGLAND.**—Immediately, an Assistant, not under 23 or over 26, with good Dispensing experience and accustomed to making Preparations; must be strictly accurate, quite familiar with the routine of a good-class business; hours 8.30 to 8; alternate evening duty (light); outdoors; state salary and full particulars of experience in first letter; no photos; applications not answered in 4 days declined. "West" (240/28), Office of this Paper.

**WORCESTER.**—Manager, qualified, wanted for Retail and Dispensing business; to live on premises; weekly half-day holiday. Apply, with full particulars and enclose photo, to Mr. Acton, Ashford House, Rainbow Hill, Worcester.

**ASSISTANT** wanted, well recommended, to take charge of Front Counter and Window-dressing, and to control assistants (several kept); must be well up in good-class Retail work. Particulars to "Chemist, Dublin" (234/38), Office of this Paper.

**ASSISTANT** wanted (outdoors) for good-class Dispensing and General Retail business in small provincial town; knowledge of Photography essential; duties light; hours short; moderate salary. Apply, stating age, experience, terms, and references, to "Phenacetin" (235/36), Office of this Paper.

**I**MEDIATELY after Easter.—Qualified man to manage high-class small Retail; married; middle age; live over premises; Cathedral city, S.W. England; one accustomed to Store trade. Send photo and full particulars to 238, 9, Office of this Paper.

**M**ALE qualified Dispenser wanted, after Easter, for Medical Mission, East London; 3 mornings weekly; required to teach students; salary £50 per annum; Christian; abstainer. Apply, by letter, Principal, Livingstone College, Leyton, E.

**M**ANAGER, qualified, at once; married preferred; good house accommodation; must be willing to adopt himself to modern Store methods; permanency to suitable man. Full particulars to J. E. Houseman, 19-21 Pittfield Street, London, N.

**M**ANAGER wanted; energetic, gentlemanly Pharmacist; must be good Salesman, Dispenser, and Window-dresser, and accustomed to modern Store business. Apply, stating age, salary required, full particulars of experience, etc. (permanency to suitable man), 236, 18, Office of this Paper.

**M**ANAGER wanted, qualified (aged about 30), for Light Retail and Dispensing; no heavy trade; must be a good Prescriber; outdoors; single. "Aspirin" (236/7), Office of this Paper.

**N**IGHT duty; 9 P.M. to 9 A.M.; W.C. district; must be a good Salesman and have first-class references; gentleman with West-end and Continental experience preferred; salary and commission. Apply, "Season" (237, 11), Office of this Paper.

**Q**UALIFIED Manager, married or anticipating, for a good-class Mixed business; house provided; near large scaport in South; not under 26. Apply, "Z," c/o Barker Staggs, Emmott Street, Mile End, London.

**Q**UALIFIED Branch Manager wanted. Also unqualified Assistant. Apply, with full particulars, W. T. Warhurst, Ltd., 1 Gower Street, Bootle, Liverpool.

**Q**UALIFIED Assistant wanted for a good-class Dispensing and Retail business; must have had good experience; knowledge of Photography desirable. Apply, giving full particulars, photo, salary required, to J. T. Sambrook, Pharmaceutical Chemist, Earnet, N.

**Q**UALIFIED Manager for Cash business in centre of Lancashire town, with Sight-testing connection; hours easy; no Sunday duty; weekly half-holiday; Optical qualification not essential; preference given to one who would take half-share of the business on liberal terms, with early succession. Usual particulars, "Statim" (238/12), Office of this Paper.

**Q**UALIFIED Junior required, immediately, for good business in the Midlands; splendid opportunity for gaining sound experience and making a good permanent and lucrative position. 247/2, Office of this Paper.

**Q**UALIFIED Manager for Mixed Country business. State age, experience, and salary required; good references. "Midlands" (236/19), Office of this Paper.

**Q**UALIFIED Assistant; single or married; board and lodging provided at business premises; permanency. Apply, stating fullest particulars as to age, height, reference, salary, and photo, Stonham & Son, Maidstone.

**R**EQUIRED, early in May, competent Assistant (unregistered), to manage Retail Drug-stores in Yorkshire town; small commencing salary and commission; house, coal, and light free; married man preferred; permanency for honest and steady man. State age, experience, references, and family, if any, 231/26, Office of this Paper.

**T**WO Situations Vacant. —A position occurs for an aged or invalid qualified Chemist in the East-end of London; duties very light; moderate salary, but comfortable position. Also wanted, at once, a smart, young, qualified man willing to adapt himself to modern methods of business. For both positions apply, with full particulars, salary, etc., to "Watchful" (239/35), Office of this Paper.

**W**ANTED, Junior or Improver, at once. Apply, Barlow, Chemist, Tewkesbury.

**W**ANTED, an Assistant in North Lancashire Mixed Country business with Wholesale attached; capable of travelling 3 days a week; undeniable references and previous experience in travelling essential. 237/6, Office of this Paper.

**W**ANTED, qualified Assistant to Manage Branch. Full particulars as to age, salary required, enclose photo, to T. M. Holmes, Grove Pharmacy, Bowness-on-Windermere.

**W**ANTED, qualified Manager for branch; lock-up shop; no Sunday duty; weekly half-holiday. State age, salary required (indoors), and all particulars; must have good references; please send photo if convenient. Davies, Chemist, Treorchy, Glamorgan-shire.

**W**ANTED, qualified Assistant (aged about 24) for Dispensing and Counter; knowledge of Photography, and one accustomed to Store business. Apply, personally, after Friday, to Mr. Wray, 8 High Holborn, London.

**W**ANTED, Manager for old-established Retail, in important town, Eastern Counties; exceptional opportunity and good prospects for capable man; must have all-round knowledge of good-class Country, Family, and Dispensing business; outdoors. Apply, stating particulars as to age, testimonials, experience, and salary, 237, 19, Office of this Paper.

**Y**OUNG qualified Assistant wanted; indoors; good references essential. State salary and usual particulars to "Y. Q. A." (240/33), Office of this Paper.

## WHOLESALE.

**A**LONDON Wholesale House desires to share the expenses of their Traveller who is calling upon Chemists in the Southern and Eastern Counties, with another firm; a firm introducing one article only preferred. Reply, "X. Y. Z." (240/24), Office of this Paper.

**A**LONDON Wholesale Drug house requires an experienced Export Invoice Clerk for their office. Address, stating age, salary expected, and previous experience, to "Savant," c/o Street's, 30 Cornhill, E.C.

**A**SSISTANT for Wet Counter; aged about 23; must have served apprenticeship. "B. D. H.," 6 Giltspur Street, E.C.

**C**HEMICAL and Pharmaceutical Products.—Vacancy occurs for a Salesman who has had experience in introduction of new Products to the Medical profession and trade; also for gentleman accustomed to write high-class pamphlets and advertisements to appeal to the profession; applications treated in strict confidence. Write, with fullest particulars, including salary required, to "Aniline" (245/03), Office of this Paper.

**C**LERK (aged 20-25) wanted in London house; must be well educated, energetic, and thorough; knowledge of German or French an advantage. Write, stating age, experience, and salary to "Chemical" (245/3), Office of this Paper.

**I**NVOICE Clerk (Junior) wanted, at once, by a firm of Wholesale Druggists; must be quick at figures and well up in Invoicing generally. State wages, 239/36, Office of this Paper.

**O**FFICE, Export Druggists, London.—Managing Clerk with first-class experience of routine of Shipping Invoicing, etc., who has had two or three others under his control; none but those thus qualified entertained; state full particulars and salary expected; good opportunity for competent and energetic man. Apply, with full particulars, to 137/51, Office of this Paper.

**P**ILL-ROOM Assistant wanted by Wholesale London Drug house; age about 21; knowledge of Sugar-coating preferred. State experience and salary required to "Mass," c/o Street's, Cornhill, E.C.

**R**EPRESENTATIVE required by London Sundries house for provincial connection; good opening for active and experienced man; thorough knowledge of the Sundries trade essential; replies must state fully past experience and engagements. 240/36, Office of this Paper.

**T**ABLET-MAKER, with knowledge of Pills preferred, required by Lancashire house; must have first-class references. Apply, stating salary, to 236/30, Office of this Paper.

**T**RAVELLER.—Wanted, an experienced man calling upon Manufacturing Confectioners and Mineral-water Makers and others. State last employment, ground, and salary required, 235/33, Office of this Paper.

**T**RAVELLER wanted to call occasionally on Doctors in Scotland; one who is already calling on Chemists, etc., for other firms, and can fill in his time as opportunity occurs to visit Doctors. Address, "X. Y. Z." (245/37), Office of this Paper.

**T**RAVELLER wanted for East Coast of England to Represent leading Perfumery house; must be well known on ground, and will be required to give whole time to representation. Apply, by letter, stating age and previous experience, to "A. R.," J. Grossmith, Son & Co., 29 Newgate Street, E.C.

**W**ANTED, an up-to-date Pharmaceutical Chemist familiar with the Manufacture of Malt Extract and Cod-liver Oil Products; one who has also a knowledge of making Infant and Invalid Foods. Apply, by letter, to H. Stanley The Croft, Redington Road, London, N.W.

**W**HOLESALE Drug house in City has a vacancy for capable man accustomed to arrange van deliveries and check town and country orders; only smart men with good references need reply; wages 30s. per week to begin. 240/38, Office of this Paper.



# SITUATIONS WANTED.

1s. for 12 words or less ; 6d. for every 10 words beyond, prepaid.

## RETAIL.

**L**OCUM-TENENS, holidays, or illness. Provost, 26 South Hill Park, Hampstead, London.

**L**ONDON.—Disengaged till 6 p.m. until Easter; worker. Mills, "St. John's," Stamford Hill.

**J**UNIOR; 26; outdoors; disengaged April 6. Apply, "Junior," 59 Church Road, Norwood, S.E.

**L**OCUM, Dispenser; Hospital, Doctor; town, country. Irving, 116a New Kent Road, London.

**J**UNIOR; 21; reference; Lancashire preferred. Apply, Mason, 280 Lever Street, Bolton, Lane.

**D**ISENGAGED April; 34; unqualified; good references. "Rheum," 204 High Street, Treorehy.

**J**UNIOR or Improver; 18½; passed Prelim.; in or out doors. "Rhei," (236/70), Office of this Paper.

**A**SSISTANT; reliable; active; good all-round experience. "Extractor," 14 Naden Road, Handsworth.

**L**OCUM; qualified; excellent references; disengaged. "Cains," 21a Castletown Road, West Kensington.

**A**SSISTANT, unqualified, excellent reference, as Improver. Innes, 10 Rosebath Road, Clapham Common.

**A**SSISTANT; 22; disengaged; London, provincial, and French experience. "Junior," 327 Anlaby Road, Hull.

**R**ELIEF or Part-time; experienced; good references; unqualified. "S., 12 Coniston Road, Addiscombe, Croydon.

**A**SSISTANT; unqualified; 25; excellent references; disengaged. "Rhei," 301 Lower Broughton Road, Manchester.

**U**NQUALIFIED; 31; tall; Counterman, Dispenser; Photographic; experienced. Law, "Oakfield," Augustine Street, Taunton.

**A**SSISTANT; West-end and Store experience; outdoors; or Dispenser; disengaged. "H. G.," 6 Willow Avenue, Barnes, S.W.

**U**NQUALIFIED (23), 5 ft. 7 in., good experience, Photography and Dispensing, wants permanency. Pickup, Birstall, near Leeds.

**J**UNIOR; tall; 22; Dispenser, Counterman; good appearance; disengaged. "Statim," c/o Lucas, Trensale House, Polesworth, Tamworth.

**J**UNIOR (19), 3½ years' experience, seeks re-engagement immediately; indoors. W. J. Weatherhead, 39 Irene Road, Parson's Green, London.

**M**ANAGER; qualified; best-class experience; permanency or Locum; London or suburbs; moderate terms. "G. L.," 78 Richmond Road, W.

**L**ADY Dispenser (qualified) and Bookkeeper; disengaged end of March; good references. Address, Miss Spain, 12 Carlton Crescent, Southampton.

**A**S Improver; indoors; served 3 years' apprenticeship; passed Pharmaceutical Preliminary. Apply, R. A. Ronchetti, 41 Bon Lea Terrace, Thornaby-on-Tees.

**A**SSISTANT; Wholesale or Retail; 35; married; unqualified; 5 years Branch Manager; Dispensing and Photography. "E. T.," 708 Chesterfield Road, Sheffield.

**S**UPERINTENDENT, Management, or position where ability is of value.—Advertiser, qualified Chemist, seeks such post. "Competent" (236/24), Office of this Paper.

**E**XPERIENCED Assistant, unqualified, tall, active, reliable, abstainer, good references, seeks permanency; disengaged April. "Barkola," Gregory & Wrenn, Chemists, Taunton.

**U**NQUALIFIED (30) desires situation Mixed Country Retail; outdoors; 12 years' experience; knowledge Dispensing, Photography; excellent references. "Charles," 30 Seldon Street, Kensington, Liverpool.

**E**VENINGS and Saturdays; unqualified; 24; S.W. London preferred. 238/34, Office of this Paper.

**M**ANAGER, with view to succession preferred; 33; qualified; single. Apply, 239/3, Office of this Paper.

**L**ADY Dispenser, qualified, requires post with Doctor; Bookkeeping, Typing. G. Vickridge, "Grenfell," Worthing.

**A**SSISTANT; unqualified; good references; experienced (15 years'). Fawcett, "Blencogo," Dinarth Road, Colwyn Bay.

**D**ISPENSER and Bookkeeper; experienced; good references. Taylor, 3 Florence Terrace, Stonebridge Park, Willesden, N.W.

**J**UNIOR; 21; Midlands or North preferred; good experience; disengaged April 16. "Phenacetin" (236/10), Office of this Paper.

**J**UNIOR (21) requires situation with good Dispensing Chemist; excellent references and experience. 233/25, Office of this Paper.

**M**ANAGER or Assistant; qualified; middle aged; good Prescriber; good reference. Jelley, 273 Upper Street, Islington, N.

**J**UNIOR; 22; 5½ years' experience in good-class Dispensing; London preferred. Colley, Front Street, Swallow, Newcastle-on-Tyne.

**M**ANAGER or Senior; 29; single; Dispenser, Prescriber, Photography; permanency desired; Minor qualification. 235/28, Office of this Paper.

**J**UNIOR (20), 5 ft. 9 in., with 4 years' Dispensing experience, seeks situation in London or suburbs; disengaged. E. Andrews, "Hawkestone," Rhyl.

**J**UNIOR (20), 4½ years' experience, tall, references, seeks situation in Newcastle or North. Apply, Wm. C., Avenue Terrace, Haswell, Co. Durham.

**J**UNIOR (20), tall, 5 years' high-class experience, seeks situation in Manchester district. In reply, state salary and hours, "Student" (233/31), Office of this Paper.

**N**OTTINGHAMSHIRE.—As Assistant or Senior by gentleman of first-class experience; Prescriber; would travel. Address, "Phenol" (238/25), Office of this Paper.

**A**SSISTANT; 24; good-class Dispensing and Retail experience in West-end and provinces; disengaged April. "Veronal," 32 Blenheim Crescent, Ladbroke Grove, W.

**A**SSISTANT, unqualified, single, Extractor, London, Sheffield, or Nottingham preferred, requires situation; Postal and Telegraph. "Specs" (238/36), Office of this Paper.

**A**SSISTANT; 20; 4 years' good Prescribing and Dispensing experience; Extractor; well recommended; local locum work entertained. Wilson, 338 The Boulevard, Hull, Yorks.

**A**SSISTANT, 8 years' experience in Cairo and Paris, good worker, accurate Dispenser, unqualified, seeks post in London; speaks English and French fluently. 230/9, Office of this Paper.

**M**ANCHESTER or District, or Liverpool.—Unqualified Assistant; 20; good Dispensing experience. "H. F.," c/o H. Haworth, M.P.S., 245 Stockport Road, Levenshulme, Manchester.

**M**ANAGER; qualified; 52; energetic; good-class trade and Photo; country preferred; good references; disengaged April. "Manager," c/o Mr. Cook, 33 Market Place, Warminster, Wilts.

**A**DVERTISER, married, seeks the Management of a Country business where qualification is not essential (age 26 years), with view to succession. "Iridin" (233/28), Office of this Paper.

**A**SSISTANT; 31; excellent Counterman and Prescriber, knowledge of Photography, Extractor; excellent references; 3 years last berth; married. "Aspirin," 67 Fernhead Road, Paddington, W.

**L**ANDUDNO or Colwyn Bay.—Season; well-trained and experienced Assistant (28) desires engagement in good-class Pharmacy; outdoors; highest references. "Seaside" (234/25), Office of this Paper.



**JUNIOR**; 3 years' experience in Dispensing, etc. Ferris, 26 Widmore Road, Bromley.

**LOCUM**; qualified; 24; disengaged May; good references. Peake, 362 Kennington Road, S.E.

**MANAGER**; qualified; abstainer; active; used to Family and Store trading; been a Director; outdoors; London preferred. "Borax," 555 Holloway Road, N.

**PART-TIME** for a few evenings weekly; qualified. "Citatin," 41 Fletching Road, Clapton, N.E.

**25**; smart; 8 years' best varied experience; unqualified; ab-stainer. Please state salary, indoors or outdoors, hours, etc., Ponting Poste, Restaute, Nottingham.

**PART-TIME**; London; qualified; excellent references. "Nedgus," 3 Barnes Road, Streatham Common.

**EXPERIENCED** Dispenser; mornings, afternoon; references. "J. L. G.," 104 Clapham Road, S.W.

**DISENGAGED** after Easter.—Experienced; 33; good references. "Spes" (240/27), Office of this Paper.

**DISENGAGED**; 27; unqualified; accustomed high-class Dispensing; outdoors. 237/15, Office of this Paper.

**JUNIOR** Assistant; energetic; willing; 8 years last berth. "Competition" (238/7), Office of this Paper.

**PART-TIME**; unqualified; experienced; day or evening; S.W. district preferred. J. Augus, 6 Faraday Road, Wimbledon.

**PHARMACIST**; Manager, Prescriber; good experience; middle-age; good reference. "Tall" (240/3), Office of this Paper.

**HOSPITAL**, Institution; Locum, Dispenser; registered Chemist and Druggist. "M.P.S.," 31 Cambridge Road, Sidcup, S.E.

**DISENGAGED** till 4 daily; Counter, Books, or Stock; whole or part time; Hall qualification. Hall, 55 Lady Margaret Road, N.W.

**ADVERTISER** (35) desires part-time berth; West-end and Coast experience; outdoors. "Penmau" (237/18), Office of this Paper.

**EXPERIENCED** Manager desires similar post with view succession or Partnership; reliable. "Pyramidon" (240/15), Office of this Paper.

**UNQUALIFIED**; 30; excellent references; wide and varied experience; all branches and positions; married. 240/4, Office of this Paper.

**QUALIFIED** Dispenser; first-class experience in all departments; outdoors; part-time or otherwise. "Aspirin," 162 Regent's Park Road, N.W.

**QUALIFIED** Dispenser, and one who acts as bookkeeper and secretary, disengaged March 31; lady; London preferred; 7 years' experience. "A.," 79 Ritherdon Road, Balham.

**AS** Manager, Assistant, Locum; gentleman; excellent experience and references; age 35; height 5 ft. 10 in.; disengaged February 27th. "Energy," 51 Church Road, Islington, N.

**FULLY** qualified, energetic man desires position as Manager; wide experience; country business preferred; married; excellent testimonials. "C.," 55 Ferme Park Road, Stroud Green, N.

**UNQUALIFIED** wants berth; married (one child); active; 49; in or out; Extraet, Prescribe, Photography; 2½ years last; leaving through Act. "Chemist," 52 Bulwer Street, Shepherd's Bush, W.

**LOCUM-TENENS** or Temporary.—Chemist (37), thoroughly experienced, gentlemanly, good address, highest credentials, is open for engagement; Manchester or Liverpool preferred. 236/161, Office of this Paper.

**YORKSHIRE** (Leeds District preferred).—Assistant; unexamined; good Counterman; Dispensing, Photographic, Prescribing experience; 23; outdoors; disengaged middle of April. Write, "Notrella" (238/4), Office of this Paper.

**UNQUALIFIED**; 22; Scotch; energetic; Dispensing, General Retail, Wholesale, Photographic experience; good Counterman; London or large town; outdoors; disengaged shortly. "Aprilis" (238/6), Office of this Paper.

**SWISS** Chemist, some knowledge of English, in business in a health resort, wishes for 3 months' board and lodging in the house of a good-class Chemist in London, W., Brighton, Eastbourne, Margate, or such a place, and be allowed to stay in the shop during business hours in order to acquaint himself with the wants of a high-class patronage and the ways of meeting these wants. Apply, stating terms, to Biehler, Pharmacien, Vevey, Switzerland.

**DISPENSER**; 26; moderate; Institution or Surgery; references. "M.P.S.," 18 Kitson Road, Camberwell.

**LOCUM-TENENS** for short or long periods; thoroughly experienced. Address, "C.," 6 Promenade, Malvern.

**LOCUM** or Part-time; qualified; experienced; take entire charge. "Chemist," 5a Cottage Grove, Waltham, S.E.

**EVENINGS** or half-days; two weekly; experienced. "Un-qualified," 41 Highworth Road, New Southgate.

**22**; hard worker; good window-dresser; first-class West-end Dispensing experience; unqualified; disengaged 24th, outdoors only. "W.," 168 Clarendon Road, Notting Hill, W.

## WHOLESALE.

**SITUATION** required; 11 years' all-round experience; Wholesale and Retail. 237/12, Office of this Paper.

**TABLET-MAKER** seeks situation; any machine operated; fill in time Granulating if desired; age 22; abstainer. 234/32, Office of this Paper.

**TRAVELLER** seeks berth in Country Wholesale; young, energetic, healthy; good references; Notts or Derbys. preferred. 238/25, Office of this Paper.

**TRAVELLER**, disengaged, extensive and established connection South and West of England, South Wales, seeks engagement. Address, Pedes, 3 Merton Road, Walthamstow.

**TRAVELLER**; 11 years' good experience in town and country; energetic and trustworthy; excellent references; abstainer. Apply, A. R. Long, 19 Seward Road, Hanwell, W.

**QUALIFIED**; thorough Pharmaceutical training; young; energetic; methodical; Laboratory situation desired; exceptional references. Particulars, 240/14, Office of this Paper.

**TRAVELLER**, well introduced, with thorough knowledge of Drug and Allied trades, requires appointment with first-class house as Representative. Apply, 236/27, Office of this Paper.

**DRUGGIST'S** Sundriesman, 34 years' experience (one firm), pleads for a helping hand; will anyone kindly offer employment? "W. G. H.," c/o Hon. Sec., 55 Bryanston Street, W.

**REPRESENTATIVE**; over 5 years present firm; shortly disengaged; 13 years' connection and personally known to the best buyers in Lancashire and Cheshire; highest reference. 236/6, Office of this Paper.

**ADVERTISER**, good business experience, capable Accountant, requires engagement; Correspondence, Books, or general work, long references; salary moderate. Reply, "N. M." (116/20), Office of this Paper.

**TRAVELLER**, with specially well-established connection in North of England and Scotland, desires re-engagement with good-class, progressive firm; Sundries or Specials. "York" (236/31), Office of this Paper.

**ASSISTANT**; Surgical Instruments and Appliances, Photographic and Scientific Apparatus, and Sundries; 3 years' experience in first-class house; would be good traveler; disengaged. 237/10, Office of this Paper.

**TRAVELLER**, with valuable connection in Northern Counties and Scotland, desires an additional commission; part expenses preferred; good pioneer; reliable; well known. "Commerce" (238/301), Office of this Paper.

**TRAVELLER**, representing a leading Sundry house in the provinces, would like to also Represent a good Drug house and a good Perfume house on commission and part-expenses only; personal interview preferred. 238/21, Office of this Paper.

**PETTY** Wholesale by able man with Retail experience hitherto, where integrity and ability would be exchanged for opportunity; travel when necessary; excellent references; middle-aged; married. "B.," 170 Queen's Road, Buckland, Portsmouth.

**TRAVELLER** wishes to Represent good Drug-house in town or country; experienced and conscientious worker; intimate knowledge of the requirements of Medical men and Chemists; on road and in warehouse; highest references. 237/22, Office of this Paper.

**IRELAND**.—Gentleman of experience and energy, having large connection with best buyers over North of Ireland (Grocers, Druggists, and Confectioners), desires to Represent first-class Manufacturers or Importers on commission; very highest references as to character and ability. Reply to "J. B.," c/o Arthur H. Muir, Chartered Accountant, 2 Wellington Place, Belfast.

## MISCELLANEOUS.

**MCADAM & TUCKNISS**, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 81 Lee Green.

**SHARES FOR SALE** (free of commission, subject).—70 Allen & Hanburys' "A" 6 per cent. Preference, 25s. 3d. c.d.; 25 C. Ash 5½ per cent. Preference, 23s. 3d.; 120 Idris "A" 6 per cent. Preference, 7s. 10½d., 300 "A" Ordinary, 4s. 9d., £333 Debuture, £71 10s. c.d. per £100 Stock; 130 J. Knight's, 23s. 6d.; 100 Parke's Drug Ordinary, 13s. 4½d., 100 6 per cent. Preference, 16s. 7½d. c.d.; £100 Dental Manufacturing 4 per cent. Debuture, £99; 100 J. C. & J. Field Ordinary, 7s. 9d., 200 7 per cent. Preference, 17s. 6d.

List of shares for sale and wanted sent free on application. Bankers, London and County. Established 1898.

**CHEMIST'S Fittings**, second-hand, high-class; bargains to clear.—15 feet Drug-fitting, fitted 60 Drawers, fitted Glass Labels and Glass Knobs, Bottle-locker, Mirror Poison-cupboard, Bottle-shelves and Cornice, 6-ft. complete mahogany Dispensing-screen and Counter, including Sponge-case, 8-ft. Wall-case, bottom and top part, mirror recess, 10-ft. glass-fronted Serving-counter, Perfumery-case and Desk, mahogany and bent plate-glass Counter-case; the lot £49 10s.; cheapest house in the trade for Alterations, Window-enclosures, Glass Facias, Stall-plates; estimates free. H. Mills, Chemists' Complete Shopfitter, Shop-front Builder, Steam Works, 163-5 Old Street, London, E.C.

**BARGAINS IN SECOND-HAND FITTINGS**.—1 12-ft. range of pine drawers, look like mahogany, gold labels and glass knobs, £6; 1 6-ft. mirror centre dispensing-screen, splendid value, £4 10s.; 1 5-ft. dispensing-screen, 70s.; 1 6-ft. bent-glass front and mahogany counter case, £5; 1 10-ft. counter, 80s.; 1 6-ft. ditto, 50s.; 1 set of 3 plate-glass window shelves, 5 ft. long by 15, 12, and 9 in. wide, with 3 standard bars and brackets, 55s.; 1 set of 3 ditto, 3 ft. long by 12, 9, and 6 in. wide, and 2 standard bars and brackets, 30s.; 144 gold-labelled shop-rounds, assorted sizes, £5 15s. **RICHARD TOMLINSON & SONS**, Bond Street, Constitution Hill, Birmingham.

**WE HAVE WHAT YOU REQUIRE**, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. **RUDDUCK & CO.**, 262 OLD STREET. E.C.

**DENTAL MECHANIC**.—T. Barton, 194 Mansfield Road, Nottingham. Telephone 3898. Best workmanship in Vulcanite, Gold, D.A., etc.; Crowns, Bridges, and Inlays a speciality; prompt despatch my leading feature; repairs per return; every assistance and advice given to clients.

### Business Building on New Methods.

If you wish to increase your receipts with very little expenditure, and build up your business at the same time, do not delay any longer, but send for the free booklet, "BUSINESS SUCCESS (A Word to Chemists)," to—

**The Manager—THE ADVERT. PUBLICITY CO.**  
Established 1900. 15 Briggstocke Road, BRISTOL, England.

**VERY HANDSOME MAHOGANY SHOP FITTINGS**.—In excellent condition, as good as new.—2 mahogany Window Enclosures, glazed plate glass and fitted inside with plate-glass shelves, etc.; 10-ft. very fine Wall Case, in two heights; 16-ft. Drug Fitting, fitted with Poison Cupboard and mirror centre, carved brackets and spandrils; 12-ft. Counter, with drawers behind and plate-glass cases in front; exceptionally handsome Screen and Counter, with Sponge Case, etc.; £65 the lot; would be divided to suit customer; several other cheaper sets in stock. **PHILIP JOSEPHS & SONS, LTD.**, 93 Old Street, Goswell Road, London, E.C.

### POISONS AND PHARMACY ACT, 1908.

GADD'S CHART OF NEW CONDITIONS.

ALL THE INFORMATION ON ONE SIDE OF THE CARD.

Third Edition, 6d., post free.

Evans, Gadd & Co., Ltd., Bristol and Exeter.

### Dose Tables for Students of Pharmacy.

**A** TWENTY-FOUR page booklet showing the adult doses in ordinary cases of the principal medicinal agents, with metrio equivalents for dispensing and a complete table of atomic weights, comprising the B.P. figures and the International Committee's latest pronouncements (O=16 and H=1). The booklet measures 4 in. by 2½ in., and can be carried in the vest pocket. To be obtained from **THE CHEMIST AND DRUGGIST** (Book Department), 42 Cannon Street, London, E.C., for **THREE PENNY STAMPS PER COPY, POST FREE**.

**TO** Apprentices, Juniors, etc.—If you wish to pass the Preliminary quickly and with little trouble, write to Mr. Charles Harker, who will coach you by post; thorough systematic teaching; numerous successes in 3 and 6 months; special attention given to those of neglected education; 85 per cent. recent successes; terms very moderate. Charles Harker, 239 Chapter Road, Cricklewood, London. N.W.

**POISONS SCHEDULE**, according to the New Act, reprinted from **THE CHEMIST AND DRUGGIST**, with a supplementary list of admixtures, preparations, and other articles brought within the Schedule. On a card (Schedule in front, list at the back) to hang up; price 6d., post free, from the Office of the C. & D., 42 Cannon Street, London, E.C.

### INCREASED PROFITS & SALES.

The following are extracts from letters received from a Midland Chemist with big competition, and shows what one can do by using up-to-date business methods.

Jan.—"Xmas show a great attraction; crowds around window all day; record sale of perfumes, &c." Feb.—"January's show, &c., has been a bigger success than I thought (later, sold 200 t.-bottles)." March.—"Emulsion selling well; sale increased. Present window show is a great draw and selling well. Have had some splendid results from the advertising again this month."

Booklet, "How to Increase Your Business," explaining my business-pulling system, post free to chemists only.

**J. R. B. ALLISON, CHEMIST AND BUSINESS SPECIALIST, RETFORD.**

250

Papers, reaching MILLIONS of readers.  
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18 Hogarth Road, Earl's Court.

## EXCHANGE COLUMN—BARGAINS.

### FOR DISPOSAL.

#### APPARATUS.

**EMULSIFIER**; 2 gals.; splendid machine; bargain; cost 90s.; what offers? **HARLEY**, Perth.

#### BOOKS AND PERIODICALS.

**FOLLOWING** old books for 10s. (a bargain): Steggall's "Med. Manual," 12th ed.; Churchill's "Midwifery," 2nd ed.; Druitt's "Vade Mecum," Thomas's "Practice Physic," "John Bull and His Island," "The Siliad" (2 copies), Matthew's "Budget of Fun" (scarce), Quarle's "Emblems," "Hudibras," Dick's "Old London," Mackenzie's "Man of Feeling," "CHEMIST," 141 St. James's Street, Burnley.

#### DENTAL.

**DENTAL** show-case; 20 specimen pieces, forceps, brass pillow sign-tablet. **MACDONALD**, 176 Upper Richmond Road, Putney.  
**TO** be sold, cheap, a dentist's chair; very little used; iron frame, head-rest, foot-rest; upholstered in crimson velvet; as good as new. **SMART**, Uttoxeter.

#### DRUGS AND CHEMICALS.

**WHAT** offers?—2 Winochesters ol. lavand. ang., 5 lb. each, guaranteed 1901. **COWAN, LTD.**, Chemists, Thurso, N.B.

### FORMULÆ.

**BOOT-POLISH** formula for sale; all kinds. **FRANCE**, 42 Vartry Road, London.

**INFLUENZA** mixture, cough and chest cure, chilblain remedy, ringworm cure, winter and summer skin preparation (original), white teeth sol.; all successful and invaluable; 1s. each, 2s. three, or 3s. 6d. the six. **DENSHAM**, 1 Aylmer Road, Shepherd's Bush, W.

### OPTICAL AND PHOTOGRAPHIC.

**DALMEYER** 4 D, 10 by 8 portrait-lens; pair (accurately paired) ditto, 3 D, 8 by 6½, with flanges; extremely cheap for cash; lot or separate. **DONBAYAN**, 189 Barkerend Road, Bradford, Yorks.

### PROPRIETARY ARTICLES.

**5 DOZ.** 2s. size, 1½ doz. 5s. Field's cattle-oils; what offers? **HOGG**, Chemist, Ulverston.

**OFFERS**.—1 doz. Potter & Moore's lavender-water 2s. 6d.; 1 doz. 1s. 6d.; 1 doz. 9d.; 6 doz. Christy's lanolin in tubes, 6 on a card. **APLIN**, Exeter.

**TWO** 2s. 9d. Mackenzie wafers, 2s. 6d.; 1 4s. 6d. ditto, 2s. 6d.; 2 Buer's mulla, 1s. 3d., solspa, 1s. 3d.; 1 4s. 6d. Gloria tonic, 2s. 6d. "VELOX" (239/62), Office of this Paper.

**1 DOZ.** 1s. 1½d. Spurin's pdra., 6s.; capsicum vaseline, 7s.; 1 doz. 1s. 1½d. Ukala, 7s.; Graves' tooth-powder, 7s.; 2 doz. 7½d. Keene's C.C., 9s.; 1s. 1½d. Oatine, 18s.; Thompson's pills, 15s.; 6d. Field's U.S. soap, 6s. 239/26, Office of this Paper.



**OVERSTOCKED.**—4½ doz. 1s. 1½d. Lincel liniment, 7s. 6d. doz.; 3½ doz. 1s. 1½d. Steedman's powders, 7s. 9d. doz.; 1½ doz. 1s. 1½d. "Cure-I-Can," 8s. 6d. doz.; 2½ doz. 2s. 9d. ditto, 21s. 9d. doz.; 8½ doz. 1s. 6d. anturic bath salts, 11s. 6d. doz.; 1 doz. 1s. 1½d. bromo phosph., 9s. 6d. doz.; ¾ doz. 2s. 9d. ditto, 19s. doz.; 4 doz. 7½d. Dodge's creosote, 3s. 6d. doz.; 1½ doz. 2s. 9d. Armstrong's skin-lotion, 23s. 6d. doz.; 3 doz. 1s. 1½d. Lavan's linetus, 8s. 6d. doz.; 1½ doz. 2s. 9d. ditto, 21s. 6d. doz.; 5 doz. 1s. Propert's cloth-balls, 6s. 6d. doz. **BOWELL & Co.,** 125 King Street, Oldham.

### SHARES.

SHARES for Sale. See p. 62.

### SHOP FITTINGS.

**SMALL** check-till, exposing coin; 3 transactions. "B.," Binfield House, Clapham, S.W.  
**CARBOYS.**—5 large carboys for chemists' windows; also about 160 bottles with stoppers; what offers? "B.," 160 Clapham Road, S.W.  
**27 DOME-SHAPE** pink ointment-jars, china, gold labels, York Glass Co.'s list at 8s. 6d.; will take 5s. each. **Hogg, Chemist** Ulverston.  
**DESK** and perfume case (as Maw's 2725), 35s.; smaller cashier's desk, 10s.; metric weights, nickelled, in box, 4s. 6d.; cup weights (troy to 4 oz.), 2s. 6d.; 2-drachm pessary mould, 10s.; hand truck, 7s. 6d. "P.," 11 Archer Street, W.  
**MAHOGANY** counter, 14 ft.; range of drawers, 14 ft., with lockers below, shelves above; flat-top counter-case: shop-rounds, gilt labels; globe stoppers, wide and narrow mouth; cheap to clear. **STUNK, Gatehouse, Kirkcudbrightshire.**  
**10-FT.** run, by 2 ft. deep by 3 ft. high, window-easing, old, complete with tapped bars, brackets, and glass shelving, as new; 2 Sugg's latest 3-light outside lamps, half-opal shades, complete with arms, fixed a few weeks ago; 2 large specie-jars; 1 large carboy; personal weighing-machine; offers, whole or part; can be seen any time. **HIDLEY MASSON, 4 London Road, Forest Hill.**

### MISCELLANEOUS.

**11 DOZEN** Ozonia, 30s.; Southall tooth-brush case, 17s. 6d.; 2 Oertling's balances, £2 each. **HUBBLE, Workington.**  
**ONE** tin honey, 14s. f.o.r.; 20 5-gal. oil-drums, 10d. each. 237/32, Office of this Paper.  
**OPTICAL** trial case and frames, new; O'Brien's voucher-till, 3 guineas; excellent condition. 237/23, Office of this Paper.  
**40 GROSS** round tins, lever lids, 4½ in. deep by 3½ in. diameter; will divide; sample 2d. **ROBERT CUNDALL & Co., Chemists, Pocklington.**

**OFFERS.**—Good plaster-models for window-shamp; a girl (not for corn-cure, large lemon, Southall's boat)—plendid advertising medium; Avery's personal weighing machine. **APRIN, Exeter.**  
**WHAT** offers? I pay carriage—2 4-eal. carboys cut & tapered, pear shaped; forceps (dental), 1 pair upper and 1 pair lower incisors and canines and lancet; good knife, root, etc., cutter, hand pill-machine, 24 3-grain. 19 New Hall Lane, Preston.

**TO** be disposed of.—Deceased doctor's surgical and scientific instruments, including midwifery forceps, specula, stethoscopes, phonendoscopes, syringes, scalpels, 2 microscopes, 200 micro. slides, Fortin baromet. r. Picnic ditto, x-ray apparatus, batteries, magnets, wireless telegraph apparatus, etc. For full particulars and list apply, "P.," 15 Westgate Street, Gloucester.

### WANTED.

**CHECK-TILL** wanted; Gladhill's preferred. Full particulars **Duck, Chemist, Cardiff.**  
**NITROUS** oxide cylinders. State size and lowest price to 237/26, Office of this Paper.  
**PLATINUM**, any form; also iridium; banker's reference. **Rowson, 11 Crebor Street, Dulwich.**  
**MIRELLA** gold paint; state quantities, size, and lowest cash price. 237/7, Office of this Paper.  
**PROPRIETARY** specialty, "established," wanted. Full particulars, **WALKER, Advertising Agent, 31 High Street, Perth.**  
**MINOR**, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. **GOWIN, Bookseller, Waterloo, Liverpool.**  
**PROVED** formulae for full series of agricultural preparations. Particulars, with sample labels, to "Dalesman" (235/3), Office of this Paper.  
**DENTAL.**—Flexible arm attachment for dental engine; second-hand vulcaniser; also instruments for filling and sealing. **Munnay, 1 City Road, Winchester.**  
**LOWSON'S** "Botany," "Lucas's "Practical Pharmacy," Ince's "Grammar." Lowest prices to "ROBINSON," The Surgery, Church Street, Wantage, Berks.  
**SECOND-HAND** dental-chair; state mechanism, conditions, and lowest cash price; also spittoon, drilling-machine, and other accessories. 247/19, Office of this Paper.  
**PLATE-GLASS** window-shelves, 2 sets, 4 ft., with standards and brackets; second-hand. Descriptive particulars and lowest prices, **WILLIE, Chemist, Gateshead-on-Tyne.**  
**MICROSCOPE**, with complete accessories, suitable for bacteriological examinations. State maker and condition and lowest cash price to "J. S.," 4 Eastgate Row, Chester.  
**ADDRESSES WANTED.**  
**H. J. JEFFKINS**, late proprietor of the "Nulli Scenndus" Ointment & Co., of 119 Vauxhall Bridge Road, and 9 The Parade, Cambridge Road, Norbiton, S.W. 15/15, Office of this Paper.

## BE READY for the FLIES.



When the season for Fly-catchers approaches, customers will ask you for a really efficient Fly-catcher.

You cannot do better than push "The Rapid."

It sells as quickly as it catches flies.

The tape is enclosed in tin cases, and the glue is guaranteed real Japanese.

**'RAPID' Fly Catchers**

Never Dry. Always Ready.

## The New Scrubber

INDISPENSABLE IN EVERY HOUSEHOLD.

Indispensable in Chemical Laboratories, and most useful for cleaning Hands, for scouring and polishing Glass, Metals, Woodware, Kitchen Utensils, Gas Stoves, Sinks, &c.

Fitted on  
Showcards  
for  
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Window  
Display.



Retails at: Copper 4d. Steel 3d.

With a good profit to the dealer.

Further particulars on application to the Sole Importers:

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21 Little Portland Street, LONDON, W.

ALSO FROM

W. B. FORDHAM & SONS, Ltd., 36-40 York Road, King's Cross, London, N.  
 H. A. GOODALL & CO., Ltd., 5, 6, 7, Shoe Lane, London, E.C.  
 BARCLAY & SONS, Ltd., 95 Farringdon Street, London, E.C.



## Corner for Students.

CONDUCTED BY LEONARD DOBBIN, PH.D.

Students, please note. All communications should be addressed to the Editor of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

All communications and reports must bear the names and addresses of the writers, not necessarily for publication. The reports of those who ignore this rule are liable not to be dealt with.

### Exercise in Practical Chemistry.

A SPECIAL exercise in practical chemistry will form the next subject to be reported on by students. On this occasion we will supply to applicants samples of a powder which is to be subjected to the operations described below.

Students' applications for portions of the powder (accompanied by a stamped and addressed envelope, not a stamp merely) will be received up to Tuesday, March 23, and the samples will be posted on the following day. Students' reports will be received up to Saturday April 3.

#### EXERCISE IV.

1. Heat a small quantity of the powder in a dry test-tube.
  2. To another small quantity add 2 or 3 c.c. of dilute ammonia solution and mix thoroughly, then boil; set aside for twenty-four hours.
  3. To a third small quantity add 2 or 3 c.c. of sodium hydroxide solution; boil.
- In the cases of experiments 1, 2, and 3—
- (a) describe minutely the phenomena observed; and
  - (b) make any comments that may suggest themselves with regard to these phenomena, or to any further tests applied to the products of the several experiments.
4. Examine the remainder of the powder with a view to ascertaining what elements are present in it, and report the results of the examination.

SPECIAL NOTE.—The analysis announced above forms the concluding exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact must be attested on their reports.

## Minor Experiences.

J. S. W. (177/49) gives an account of his successful attempt in the London Minor examination.

Presenting myself at Galen Place, London, W.C., for the first day's work, I was sent to Mr. Gamble for

DISPENSING, the following paper being handed to me:

Atropin. sulph. ....

Ft. pil. Mitte xij. Varnish.

Sig.: j. t.d.s.

Tinct. catechu .... 3ij.

Syr. zingib. .... 3iv.

Mist. cretæ (½ B.P. strength) ad 3vj.

Ft. mist.

3ss. 4tis horis.

Empl. bellad.

Empl. opii .... aa, partes æq.

Spread a plaster on leather 6 by 4.

Menthol. .... 2½ per cent.

Cocain. .... 1 per cent.

Ol. amygd. dulc. .... q.s.

Ft. nebula. Mitte 3j.

Sig.: To be used as directed.

Ung. ac. boric. 3iv.

Questions were asked as to how much aq. cinnam. I had used for the mixture, how the calculations for the spray (which I labelled "application") were done, and how many grains I had reckoned to the ounce in making the ointment. The preparations were finished off a few minutes before time.

In CHEMISTRY Mr. Harrison looked after me, the volumetric being required first. With the crystal potassium permangan-

ate find the strength of the oxalic-acid solution, and with the oxalic-acid solution determine the strength of KOH per litre. I finished this about 3.15 p.m. I proceeded with the qualitative analysis, the salt proving to be bismuth nitrate and magnesium carbonate, with distinct traces of sodium. In due course a notice requested me to attend for the second day's examination. Feeling distinctly nervous on the eventful morning, I had to wait nearly half-an-hour before I was sent for

CHEMISTRY to Mr. Tickle. The first question was, What is glass? How is coloured glass made? What silicates did I know? I answered SiO<sub>2</sub>, and was told that was an oxide, not a silicate. Aluminium silicate or kaolin, I next ventured with. Did I make glass from kaolin? What is the action of acids on glass? What is formed when HIF dissolves glass? What happens when the SiF<sub>4</sub> which is formed is mixed with water? What is the action of alkalis on glass? I referred to the B.P. directions about storing KOH in white-glass bottles. How would I estimate a sample of glass? Next I was asked about aq. dest. and the tests for it. How did I make thiosulphate of sodium? Could I show the relationship between thiosulphate of sodium and sulphate of sodium? The action of NH<sub>4</sub>OH on mercuric chloride, and on mercurous chloride. The relationship between ammonio-mercuric chloride and ammonium chloride. Explain the law of gravitation and Newton's law. Then I was asked how to make tartaric acid; how would I test for a tartrate? What was the formula for benzoic acid? How many methods did I know of obtaining it? I gave four, and was asked to explain how I would make it from naphthalene. After doing so I was sent to the next subject.

MATERIA MEDICA.—Mr. Saville Peck showed first some very much broken-up leaves. I said they were probably stramonium. Evidently someone had said the same thing previously, because Mr. Peck left me for some minutes to confer with Mr. Finnmore on the matter, and then he informed me that they were belladonna-leaves. Cherry-laurel leaves were shown next. What did they contain? Did I know a bark which would give HCN on hydrolysis? What was hydrolysis? I then recognised some first year's hyoscyamus-leaves. Biennial hyoscyamus, matico-leaves, five varieties of buchua-leaves, bearberry-leaves, and three kinds of senna-leaves were also shown. Could I tell the difference medicinally between the Alexandrian and the Tinnevely senna?

PRESCRIPTION-READING followed. First came a simple percentage calculation, then put a rather awkward sentence into full Latin. Also translate a simple prescription into full Latin and read two other scripts, one of them containing a 3ij. dose of spt. æth. nit. I was asked the two doses for this in the B.P. Did I know why such a big dose was being given? A very badly written prescription was given me next, a portion of which I quite failed to read.

BOTANY.—Mr. Phillips asked several natural orders in the syllabus, also to point out several of their common names. What are lenticels? What is a stoma? What purpose do they serve? What does the name mean? What is diastase? Where does it exist? Had I ever seen any? I answered, "No." "But surely you have sold it in the shop," was the answer; "it is a brown powder." Then where is starch usually stored up in a plant? I was then shown a fresh eucalyptus-leaf, a capsule of the thorn-apple, a piece of rosemary, and a fern-frond. Where are the sori on the last-named? Could I explain how they develop? A section of a monocot stem was given under the microscope, and also another of the petiole of a leaf, which I altogether failed to recognise, when Mr. Phillips jokingly remarked that he had got me there. How many stamens are there in the N.O.s Ranunculacea, Umbellifera, Crucifera, Rosacea, Liliacea, and Composita, and how many carpels are characteristic of the same orders? The concluding subject was

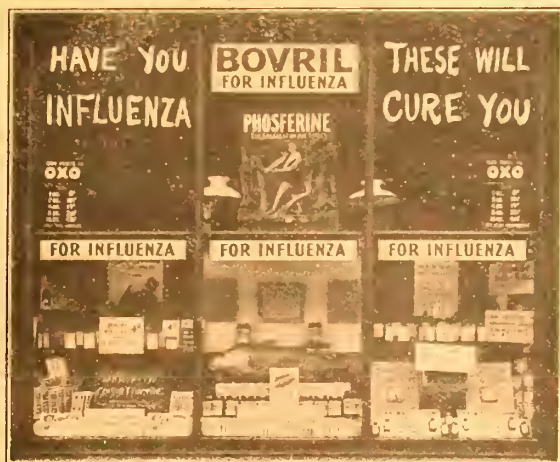
PHARMACY, with Mr. Goldby. He asked me how to make syrup of rhubarb. Was it prepared with a strong alcohol or a weak one? How did I make aq. dest.? In making aq. cinnam. would I reject the first portion because it might contain ammonia? How did I make ext. ergotæ liq.? How many methods did I know for extracting the active principles from a drug? What was the strength of inject. ergot., inject. morphin., and inject. apomorphin.? What was the preservative in ext. ergotæ? The strength of troch. morph. The strength of Easton's syrup and tinct. nucis vom.? Had I ever compared the two? What precautions would I take in selling tinct. nucis vom.? Why wouldn't I take the signature—it contained strychnine? I was also asked about the sale of cocaine and its preparations, and was told I might resume my seat. In a few minutes the President congratulated me and said I had passed a very creditable examination. I have faint recollections of running to the post-office, but the rest is wrapped up in obscurity.

MR. E. L. HINDE, dispensing chemist, Stoke Ferry, sends out an almanac and postal guide for 1909 which is well got-up and contains much local information. The calendar on the front page is a good idea and handy for ready reference.



## Chemists' Windows.

Contributed by "C. & D." Subscribers. The Editor will be glad to receive photographs of effective window-displays for inclusion in this section. Notes on the displays should accompany the photographs. We pay for what we use.



### An Influenza Window.

WITH the recrudescence of influenza in this country the above photograph is seasonable. It is of a window arranged by Mr. John Cleworth, Ducie Street, Oxford Street, Manchester, who writes in regard to it as follows:

The principal attraction is a model of a codfish and a 100-oz. original tin of sulphate of quinine. As I buy 100 oz. at a time, I thought it a good idea to put it in the window. On the left of the window I have a show of my own cough-linctus and phenol mixture; in the centre the model of the fish and malt and oil; on the right are shown the tincture, tablets, and capsules of ammoniated quinine, with the 100-oz. tin of quinine in the centre. The window has been a great success, as so many people have influenza, and others think they have. It is a case of booming the remedies while the disease is prevalent.

## Taking our Word.

[Our Bloomsbury contemporary is very cross because we showed recently that the *C. & D.* first used the word "pharmacist" in connection with pharmacy. The word was mentioned in one of Lytton's earlier novels (see *C. & D.*, March 13, p. 409).]

Oh, it's eager the rush of a Friday morn  
To tear off the *C. & D.* wrapper,  
And it's oh for the wrath of the Squarite forlorn,  
As another "cold fact" cracks his napper.  
At the shock of the latest the lights seemed to fade  
('Twas a breeze o'er the Mews that conveyed it);  
"Really everything good e'er for pharmacy made,  
The *C. & D.* seems to have made it!"

Oh, the feverish hunt through the volumes that bore  
For that "pharmacist" fledged in a flurry.  
And the throb of the heart and the triumphal roar  
At the "find" in the excellent Murray.  
But the depths of despair when no record is found  
That a Loyalist ever had known it;  
So "To Lytton the word's irrevocably bound,  
The *C. & D.* never must own it."

But, alas and alack! for the Searcher chagrined  
Our proof is much too overpowering;  
So we smile the sad smile of the ultra-maligned  
As we think of the grapes that are souring.  
For there's no getting over the fact that although  
The Athenian's right we can't waive it.  
The *C. & D.* first found the word years ago,  
And to pharmacy "pharmacist" gave it.

DR. SEAMAN, in the "Real Triumph of Japan," dealing with the war between Russia and Japan in the Far East, states that at a military hospital at Tokio intended for 500 wounded soldiers, there were provided a pharmacist captain, sixteen lieutenant-pharmacists, and four assistant pharmacists.

## Personalities.

MR. W. McCALL SAY left Victoria by the F.M.S. *Yarra* on January 26 on a visit to England.

MR. H. T. TOMPSITT left Melbourne on January 19 in the P. & O. s.s. *Victoria* for London.

ALDERMAN D. T. EVANS, chemist and druggist, has been appointed an overseer of the poor for Margate.

MR. HENRY A. POTTER (Potter & Clarke, Ltd.) has been elected Vice-Commodore of the Nore Yacht Club, Southend-on-Sea.

MR. JAMES H. BROWN, chemist, Market Hill, Sudbury, has been elected a member of Sudbury (Suffolk) Board of Guardians.

PROFESSOR A. W. CROSSLEY, F.R.S., of the School of Pharmacy, has been appointed to the Senate of the London University.

MR. PERCY KNOTT, chemist and druggist, Blackburn Road, Bolton, has been nominated for re-election on the Board of Guardians.

MR. CHAS. F. BAKER, of Messrs. Smith, Stanistreet & Co., Calcutta, and Mrs. Baker were passengers by the *Simla*, which sailed on February 24.

MR. W. E. KIRKMAN, chemist and druggist, 5 Bank Terrace, New Milton, Hants, has been appointed Hon. Secretary of the Milton Ratepayers' Association.

ANY veteran chemists and druggists who were familiar, as subscribers, with *THE CHEMIST AND DRUGGIST* in its early days, are requested to communicate with the Editor.

PROFESSOR W. A. TILDEN, F.R.S., is shortly retiring from the Professorship of Chemistry in the Imperial College of Science, and the Governors have decided to confer upon him the title of "Professor Emeritus."

MR. W. C. HOLE, chemist and druggist, manager of Messrs. Stone & Son, Exeter, who is shortly leaving the district, has been presented by his fellow-employees with a handsome smoker's cabinet as a token of their esteem.

MR. CHARLES E. GUNTER, of "Tongewood," Hawkhurst, Kent, chairman and managing director of the Lemco and Oxo companies, left England recently by the R.M.S.P. *Amazon* on a visit to the companies' River Plate cattle-farms.

MR. JAMES J. RAINEY, chemist and druggist, Church Street, Spilsby, convened a meeting of his fellow-traders last week, at which it was determined to form a Tradesmen's Association. Mr. Rainey was elected Vice-President, and also appointed Hon. Treasurer.

MR. J. F. TOCHER, B.Sc., Ph.C., President of the British Pharmaceutical Conference, desires to obtain from his *confères* throughout the United Kingdom particulars of dispensing charges during the past fifty years, and he will be glad if any who are willing will write to him at Peterhead. A letter from him on the subject was printed in our issue of March 13.

MR. THOMAS JAMESON, barrister-at-law and Supervisor of Inland Revenue, Somerset House, who is well known in connection with the administration of the Medicine-stamp Acts, has collaborated with Mr. Thomas Hynes, LL.B., in writing a book on "The Law relating to County Council Licences for Dogs, Male Servants, Carriages (including Motor-cars), Armorial Bearings, to Kill Game, Game-dealers, and Guns," which will be published by Messrs. Butterworth & Co.

DOVER CHEMISTS' ASSOCIATION.—A meeting was held at the Hôtel Métropole, Dover, on March 15. Mr. J. F. Brown presiding over a capital muster despite the heavy fall of snow. Among those present were Messrs. Ewell, Ewell, jun., J. Harcombe Cuff, Grover, Kay, Cartwright, Forster, Lewis, Thompson, and Messrs. Stainer, Curtis, Rainsford, and Taylor, of the Folkestone Association. Section 2 of the Poisons and Pharmacy Act was the subject of discussion, and the Secretary was directed to send memorials to the various Town Councils, the Kent County Council, and the Privy Council. The idea of a joint supper at Folkestone found warm support.

## The Week's Poisonings.

THIRTEEN fatalities, including five misadventures and a case of infanticide, have occurred with poisons during the week. One death resulted from a Part I. poison, while substances in Part II. of the Schedule were responsible for seven fatalities. Unscheduled poisons were taken in four cases, while in another instance the kind of lethal agent used is not stated.—Margaret A. Dugdale (45) died at Borwick from the effects of taking four tablets containing corrosive sublimate. Deceased gave no explanation as to why she took the tablets, which were prescribed for her mother, and had been kept in a drawer since the latter's death in September last.—At the inquest on George Bloomfield, a Walworth compositor, a verdict of death by misadventure was returned, the medical evidence showing that death was due to syncope accelerated by chlorodyne poisoning.—Mary A. Cluderay, a victim of the drug habit, who suffered from chronic bronchitis, died from heart-failure contributed to by her habit of taking laudanum.—Frederick Wootton (56), an unemployed boot-repairer, committed suicide at Brockley by taking oxalic acid.—The usual verdict was returned on Marian Spurway, licensed victualler, Cambridge, who ended her existence by taking crude carbolic acid. A bottle containing the disinfectant and another of laudanum were found near her bedside.—This verdict also ended the inquiry into the death of Charlotte J. Jordan, the wife of an Indian Civil servant, of Southampton, who also used the same lethal agent.—James Pearson, of Crumpsall, died through misadventure from drinking carbolic acid from a ginger-beer bottle.—The five-year-old daughter of John Lucas, a Farington carrier, died recently in consequence of swallowing carbolic acid administered by her mother, who was suffering from acute depression (*C. & D.*, February 20, Coloured Supplement). This is the second fatality, the mother having recovered.—Richard H. Carward (54), of Stratford, took a dose of poisonous liniment containing ammonia in mistake for cod-liver oil with fatal results.—Rhoda Perry (19) committed suicide at Newport by taking spirit of salt while temporarily insane.—Philip Jones, blacksmith, died at Morriston from the effects of spirit-of-salt poisoning.—At the inquest on John Downing (47), Craghead, the jury found that death was due to alcoholic poisoning.—The usual verdict was returned at the inquiry respecting the death of Christina Tams, the wife of a Hull dock labourer, who died from the effects of taking poison. The kind, however, was not stated.

## New Books.

These notes do not necessarily exclude subsequent reviews of the works. Any of these books printed in Great Britain can be supplied, at the published price, to readers of this journal on application (with remittance) to the Publisher of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

Barr, T. and J. S. *Manual of Diseases of the Ear*. 4th edit. Demy 8vo. Pp. 502. 14s. net. (MacLehose.)

Barrett, E. *The Family Doctor. A Dictionary of Domestic Medicine and Surgery*. 8×5½. Pp. 336. 5s. (Routledge.)

Barrington, A., and Pearson, K. *A First Study of the Inheritance of Vision and of the Relative Influence of Heredity and Environment on Sight*. 4to, swd. 4s. net. (Dulau.)

Bockenheimer, P. *Atlas of Clinical Surgery*. English adaptation. 3 vols. 4to. 86s. net. (Rebman.)

Boequillon-Limousin, H. *Formulaire des Médicaments Nouveaux pour 1909*. 6½×4. Pp. 352. 3f. (Baillière et fils, 19 rue Hauteville, Paris.) [In this annual the author endeavours to keep a record of the various new remedies as they are issued, and succeeds very well. The book compares to include most of the novelties in medicaments. On comparing the list of "more recent new remedies" contained in THE CHEMISTS' AND DRUGGISTS' DIARY we observe that many of the new remedies there mentioned are included in M. Boequillon-Limousin's book. The information regarding each drug is given in considerable detail, the medical uses being particularly.]

Casper, L., and Bonney, C. W. *Text-book of Genito-Urinary Diseases*. 2nd edit. 8vo. 26s. net. (Rebman.)

Clarke, W. E. *Elementary Practical Botany*. 7¼×4½. Pp. 312. 3s. 6d. net. (Norral Press.)

Cohnheim, P. *Diseases of the Digestive Canal*. Trans. by D. Fulton. 8vo. 16s. net. (Lippincott.)

Conn, H. W. *Germ Life: Bacteria*. 12mo. Pp. 208. 1s. net. (Hodder & Stoughton.)

Every Man's Own Lawyer. 46th edit. 8×5. Pp. 833. 6s. 8d. net. (Lockwood.)

Fowler, J. S. *Infant feeding: A Practical Guide to the Artificial Feeding of Infants*. 7½×4½. Pp. 240. 5s. net. (Frowde.)

Haslam, Arthur P. *Electricity in Factories and Workshops: Its Cost and Convenience*. 8×5½. Pp. 328. 7s. 6d. net. (Lockwood.)

Marshall, J. S. *Operative Dentistry*. 3rd edit. Ryl. 8vo. 21s. net. (Lippincott.)

Reeks, H. C. *The Common Colics of the Horse*. 2nd edit. Cr. 8vo. 5s. net. (Baillière.)

*Workshop Receipts for Manufacturers and Scientific Amateurs*. Vol. I. Acetylene—Drying. 7½×4½. Pp. 532. 3s. net. (Spon, 57 Haymarket, London, W.) [The five volumes of "Workshop Receipts" which Messrs. Spon published some years ago are being revised and arranged in alphabetical order according to the subjects. The one noted here is the first volume of the revised work. Between acetylene lighting and desiccating this book deals with such subjects as albumen, alcohol, alkaloids, alloys, baking-powders, barometers, blackings, bleaching, boiler incrustations, briquettes, candles, colluoid, cements, cleansing, confectionery, copying processes, disinfectants, and distillation. The book is provided with an index.]

## London Drug Statistics.

THE following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of February 1909, and to the stocks on February 31.

	February		Stocks		1909	
	Landed	Delivd.	1909	1908	Imprtd.	Delivd.
Aloes.....cs. etc.	158	174	454	183	258	265
" " gouds, etc.	—	10	1,270	1,538	92	30
Aniseed, star.....cs.	—	—	74	—	—	—
Arrowroot.....pkgs.	963	701	5,634	7,322	1,085	1,872
Balsams... cks. etc.	20	22	335	418	54	81
Calumba.....bgs.	—	—	—	17	—	—
Camphor.....pkgs.	305	492	780	2,639	385	1,147
Cardamoms.....	341	439	824	1,786	609	676
Cascara Sagrada tons	5	7	585	—	5	—
Cinchona.....pkgs.	825	484	4,466	4,938	1,235	932
Cocculus indicus ..	—	—	—	—	—	—
Cochineal.....	57	50	865	670	258	120
Cubebis.....	—	12	103	191	—	17
Dragon's blood ..	—	25	94	52	20	32
Galls.....	232	267	1,121	1,424	457	532
Gums—	—	—	—	—	—	—
Ammoniacum ..	—	—	10	10	—	—
Animi.....	146	125	284	253	231	166
Arabic.....	141	494	4,758	5,356	381	1,287
Asafetida.....	64	97	91	385	125	108
Benzoin.....	570	176	1,064	664	903	394
Copal.....	3,177	4,215	25,333	15,248	7,171	9,469
Damar.....	600	236	3,404	2,914	775	813
Galbanum ..	—	—	—	—	—	—
Gamboge.....	33	41	137	97	137	77
Guaiacum ..	—	1	77	41	6	7
Kauri... tons net	16	106	438	639	57	155
Kipo.....pkgs.	—	6	117	55	—	11
Mastic.....	—	2	10	—	10	8
Myrrh, E.I....	44	48	389	245	77	66
Olibanum ..	—	121	1,253	1,300	8	226
Sandarac.....	182	89	580	546	313	185
Tragacanth.....	1,119	1,165	4,300	5,143	2,506	2,395
Ipecacuanha—	—	—	—	—	—	—
Cartagena ..	14	22	130	66	38	25
E.I. ("Johore") ..	—	—	14	52	—	1
Matto Grosso ..	—	12	195	52	11	27
Minas.....	—	2	131	47	17	6
Jalap.....bls.	—	9	4	25	—	10
Nux vomica .pkgs.	108	21	828	236	108	69
Oils—	—	—	—	—	—	—
*Aniseed, star...cs.	35	10	54	21	35	10
*Cassia.....	20	11	118	57	80	32
Castor.....pkgs.	59	119	217	335	146	172
Coconut.....tons	62	896	653	4,9	174	992
Olive.....pkgs.	725	715	1,711	1,343	1,616	1,768
Palm.....tons	6	1	7	5	6	7
Quinine.....lbs.	8,438	5,367	207,746	219,352	10,313	12,041
Rhubarb.....cs.	25	126	722	538	43	213
Sarsaparilla ..bls.	229	97	361	216	285	188
Senna.....pkgs.	487	565	815	811	760	557
Shellac.....cs.	3,233	4,727	44,975	26,244	5,520	8,666
Turmeric.....tons	23	25	241	310	47	45
Wax—	—	—	—	—	—	—
Bees.....pkgs.	184	614	1,336	1,550	562	1,133
Vegetable (Jap) ..	230	79	411	345	325	97

\* Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.

† Corrected.



## German News.

**BANDAGES FOR SERVIA.**—A Reuter telegram states that the firm of Utermehlen & Co., of Cologne, surgical-bandage makers, received a telegraphic order six weeks ago to supply the Servian Army with half a million of their patent aseptic first-aid bandages for use in the field.

**CONGRESS OF APPLIED CHEMISTRY.**—The Berlin Organising Committee of the International Congress of Chemistry had a meeting recently, under the presidency of Professor O. N. Witte, to discuss the arrangements for the approaching meeting in London. Reference was made to the desirability of the representation of the German Government at the Congress, the Foreign Office having been already invited. The full list of papers from German workers will shortly be submitted to the London committee, the titles of a few of the papers having already been published. In the Pharmaceutical Chemistry Section papers were promised on "Matico Leaves and Oil," "*Eupatorium Rebaudianum*," "The Importance of Ferments in Medicinal Chemistry," and "The Microscope Distinctions between Rye and Wheat Starch."

**GERMAN SPIRIT-DUTY.**—The Imperial Treasury has now put into shape a new spirit-duty proposal based on the deliberations of the Reichstag Sub-commission. It is proposed to raise the spirit Excise-duty from 125m. to 130m. per hectolitre from October 1, 1914, onwards, while outside the limits of the contingent refined alcohol will be subject to a duty of 140m. per hectolitre. This means that the Excise-duty will be raised, and the contingent reduced from 20m. to 15 m., and then to 10m. Spirits for export and manufacturing purposes will not be submitted to the Excise-duty. The duty hitherto levied on denatured, manufacturing, and exported spirits will now take the form of a special manufacturing-duty (*betriebsauflage*), ranging from 3m. to 10m., according to the output of the distillery; but for manufacturing distilleries the tax will start at 4m., and in the case of yeast-producing distilleries an extra charge of 3m. is suggested. Modifications of the duty will be introduced in favour of the small distilleries, and the return drawback on entirely denatured spirits for export and manufacturing purposes will be 9m. per hectolitre.

## Poisons Schedule on a Card.

WE publish a card which shows on the front page the Schedule of Poisons and other poisons provisions which will come into force on April 1; on the back is a supplementary list of poisons. The card is corded to hang up, and will be found most convenient and useful in every pharmacy or wholesale house. Post free for six penny stamps on application to the Book Department, 42 Cannon Street, London, E.C. May also be obtained at the published price (4d. per copy) with goods from the following wholesale houses:

Ayrton, Saunders & Co., Ltd., Liverpool.  
 Barelay & Sons, Ltd., London.  
 E. H. Butler & Son, Leicester.  
 W. Edwards & Son, London.  
 Evans Sons Lescher & Webb, Ltd., London and Liverpool.  
 Glasgow Apothecaries' Co., Ltd., Glasgow.  
 Goodall, Backhouse & Co., Leeds.  
 Harkness, Beaumont & Co., Edinburgh.  
 W. & R. Hatrick & Co., Glasgow.  
 Hirst, Brooke & Hirst, Ltd., Leeds.  
 R. Hovenden & Sons, Ltd., Berners Street, W., and City Road, E.C.  
 J. Ismay & Sons, Newcastle-on-Tyne.  
 T. H. Lloyd & Co., Leicester.  
 S. Maw, Son & Sons, London.  
 May, Roberts & Co., Clerkenwell Road, E.C.  
 F. Newbery & Sons, Ltd., London.  
 W. Paterson & Sons, Aberdeen.  
 Raimes & Co., York.  
 Raimes, Clark & Co., Ltd., Edinburgh.  
 Sangers, Euston Road, London, N.W.  
 John Thompson, Ltd., Liverpool.  
 Jas. Woolley, Sons & Co., Ltd., Manchester.

We have received a large number of appreciative notes in regard to the utility of the card, which contains the requisite data for those poisons which are in Part I. or Part II., according to the percentage contained in the admixture or preparation. The card is our copyright publication.

## Photographic Notes.

(By a Pharmaceutical Camerist.)

### A Useful Developer.

PHOTOGRAPHIC chemists who undertake the development of amateurs' plates and films will find the following developer a great advantage over the usual combinations employed for this purpose. It will turn out a good printing negative in a very short time, and is, moreover, cheap, as it can be used repeatedly:

Metol	...	...	1 dr.
Hydroquinone	...	...	4 dr.
Sodium sulphite	...	...	3 oz.
Water to make	...	...	10 oz.

Sodium hydroxide	...	...	150 grains
Water to make	...	...	10 oz.

For use take 1 oz. of each and 1 oz. of water.

### Intensification of Carbon Prints.

SOME time ago one of the German photographic papers suggested that it would be quite possible to intensify pigment-prints by subjecting them to treatment with an iron salt and gallic acid. So far as I know, the suggestion was not followed up, so that the recent reappearance of the suggestion has given the impression that it is an entirely new idea. I have seen one or two prints intensified by the process, including one upon which some local work had been done, and the results are certainly most satisfactory. The solutions used in the examples I saw were a 1 per cent. solution of ferric chloride followed by a  $\frac{1}{2}$  per cent. solution of gallic acid. The iron is applied to the face of the print, preferably with a small swab of cotton-wool, as immersion would subsequently blacken the back of the paper. After a rinse in clean water the gallic acid solution is applied in the same way. The iron is retained by the colloid in proportion to its density, and the application of the gallic acid results in the production of an intense blue-black colour which renders the picture much darker. By the careful application of the solutions a good deal can be effected in the way of strengthening weak parts of a print which would otherwise be useless.

### The Photography of Lightning.

ALTHOUGH there is not likely to be much lightning to tempt the photographer to expose plates yet awhile, the following is worth noting "against there is." The hints were given me recently by a customer with whom I was in conversation on the subject. Incidentally, I have an idea that Mr. Howard Wilkie was the originator of the method. The best results are said to be obtained by using a very slow plate, the plate mostly favoured being the Wellington "ortho-process." A fast plate will be very likely to show a good deal of fog, owing to the recurrence of flashes of sheet lightning, but the use of the slow plate gets over the difficulty. The developer recommended is:

Pyrogallie acid	...	...	$\frac{1}{2}$ oz.
Potassium metasilphite	...	...	$\frac{1}{2}$ oz.
Water to make	...	...	40 oz.

Sodium sulphite	...	...	4 oz.
Sodium carbonate	...	...	4 oz.
Water to make	...	...	40 oz.

For use take equal parts of "A" and "B."

One would be inclined to think that the addition of a few grains of potassium bromide would be an advantage, in order to get as much contrast as possible, although I am assured the above formula gives excellent results. Perhaps I ought to add that in this class of photography the focussing is done for a distant object, and the lens left open—it is generally night-time—so that the flash of lightning, when it comes, makes the exposure.

MR. G. M. PERKINS, chemist and druggist, High Street, Knighton, issues an almanack in which is given a complete catalogue of agricultural and horticultural seeds. The items in this list are priced and made of practical value by notes regarding planting. Another good feature is the medical information, the early pages of which, devoted to the medicine-cupboard, must prove both interesting and useful to those in charge of children.

## Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with Mr. Temple Franks, Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office. The figures in parentheses refer to the classes applied for.

(From the "Trade-marks Journal," March 10, 1909.)

- "VAIDO"; for photographic apparatus (8). By A. L. Adams, 24 Charing Cross Road, London, W.C. 310,399.
- "PROTICEREAL" and "METCHNY"; for foods and a drink (42). By E. H. Miles, 22 Ridgmount Gardens, London, W.C. 308,546, 309,510.
- "RESTORIA"; for food substances (42). By A. Wallace, 29 Ludgate Hill, London, E.C. 308,103.
- "MUSTARDIS"; for a mustard preparation (42). By H. & F. Whateley, 9 Portland Street, Leamington. 309,615.
- "GIVE THE POOR DOG A BONE," and bone device; for dog biscuits. By H. Edmunds, Parliament Mansions, Victoria Street, London, S.W. 310,180.
- "LAVERGENT"; for detergents, excluding soap (47). By C. L. E. White, 66 Southampton Street, Camberwell, London. 305,108.
- "CLARENO"; for perfumery, &c. (48). By J. O. Stringer, 20 Thames Street, Kingston-on-Thames. 310,076.
- "DAVID'S SURPRISE POLISH," and label device; for furniture polish (50). By A. D. Goodsir, 42 The Mall, Ealing, London, W. 310,046.

(From the "Trade-marks Journal," March 17, 1909.)

- "SULTANA," and crescent and girl device; for all goods (1). By Roberts, Evans & Woodhead, 19 Old Hall Street, Liverpool. 308,507.
- "IODERMOL"; for liniments (2 and 3). By C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, London, E.C. 309,233/4.
- "EXTIMO"; for a vermin destroyer (2). By J. D. Harries, 12 Hamilton Terrace, Milford Haven. 309,262.
- "GRINDOL"; for chemicals (2 and 3). By Grindley & Co., Ltd., Upper North Street, Poplar, London, E. 310,116/7.
- "AMPHOSKA" and "COFECTANT"; for artificial manures and disinfectant powders (2). By Edward Cook & Co., Ltd., Bow, London, E. 310,358/9.
- "KUTNOW'S" (by order); for a medicine (3). By S. Kutnow & Co., Ltd., 41 Farringdon Road, London, E.C. 297,223.
- "LAXOLATES"; for purgative chocolate tablets (3). By J. C. Arnfield, 7 and 9 Lower Hillgate, Stockport. 309,007.
- "FENOLIN"; for a medicine (3). By Hall, Forster & Co., Ltd., 6 Elswick Court, Newcastle-on-Tyne. 309,521.
- "RHEUTOIR"; for a medicine (3). By the Rheutoir Co., 60 Reynell Road, Longsight, Manchester. 309,809.
- "PERFECTA"; for photographic cameras (8). By Thornton-Pickard Manufacturing Co., Ltd., Atlantic Road, Altrincham. 301,963.
- "KRITHO"; for food substances (42). By Brady & Martin, Ltd., Newcastle-on-Tyne. 309,266.
- "NUTROVIN"; for wine with meat extract (43). By Bendle & Co., 148 Sloane Street, London, S.W. 307,881.
- "LEMO," and label device; for aerated waters (44). By R. J. Anderson & Sons, 11 Annfield Street, Dundee. 309,144.
- "ALETTE"; for aerated beverages (44). By Clayton & Jowett, Ltd., 3 and 5 Concert Street, Liverpool. 309,415.
- "CRINOVO"; for a hair preparation (48). By J. H. Hart, 362 Dumbarton Road, Partick, N.B. 310,621.
- "PURITAN SOAP," and label device; for soap (48). By Clistr. Thomas & Bros., Ltd., Bristol. 307,889.
- "SUNBEAM"; for feeding bottles (50). By Henry W. Bush & Co., Ltd., 34 Commercial Street, London, E. 309,774.
- "INDES"; for all brushes (50). By F. Winshurst, 16 Devonshire Road, Bexhill-on-Sea. 310,233.

**QUEENSLAND ASTHMA-PLANT.**—In a press paragraph issued by the London correspondent of the "North Queensland Herald," it is stated that "a chemist has been conducting an examination of *Euphorbia pilulifera* in order to discover its active principles. The result of his examination showed that the green plant contained 79 per cent. by weight of water and 3 per cent. of ash, leaving 18 points of vegetable matter. The dried plant contained an alkaloidal substance equal to about one part in a thousand. It contained also a glucosidal substance to the amount of not more than four parts in the thousand, possibly one or both of these was the active principle of the plant."

## Coming Events.

Notices for insertion under this heading should be received by the Editor on Wednesday of each week.

### Tuesday, March 23.

- Oldham Pharmaceutical Association*, Oriental Restaurant, Church Terrace, at 7.30 p.m. Ordinary meeting.
- Ashton-under-Lyne Chemists' Association*. Special meeting to discuss the Poisons and Pharmacy Act.
- Burnley Chemists*. Open meeting at the Bull Hotel at 7 p.m., to discuss the Poisons and Pharmacy Act.
- Plymouth, Devonport, and Stonehouse Chemists' Association*, 7 Whimble Street, Plymouth, at 9.30 p.m. Mr. E. G. Turney on "The Chemistry of Photography."

### Wednesday, March 24.

- Dundee Chemists' Assistants' and Apprentices' Association*, Foresters' (Large) Hall, at 8 p.m. "At Home."
- Edinburgh Chemists', Assistants', and Apprentices' Association*, 36 York Place, at 9.15 p.m. Notes and queries by Mr. W. Dunnean, Ph.C.
- Leeds Chemists' Association*, Church Institute, at 8 p.m. Ordinary meeting.
- Thames Valley Chemists' Association*, Victoria Hall, Criterion Restaurant, London, W. Annual dinner. Tickets may be had from the Hon. Secretary, Mr. T. Evans, Grand Parade, Putney, S.W.

### Thursday, March 25.

- Cheltenham Chemists' Association*, 5 Promenade, at 9 p.m. Discussion on the Poisons and Pharmacy Act, opened by Mr. M. C. Mansbridge.
- Barnsley Chemists' Association*, Royal Hotel, at 7 p.m. Ordinary meeting.
- Chemists' Assistants' Association*, International Hall, Café Monico, London, W., at 8 p.m. Annual dinner. The President (Mr. R. H. Brittain) will be in the chair. Tickets (5s. each) from Mr. H. Grange, Hon. Secretary Dinner Committee, 15 Aynhoe Road, West Kensington, W.
- Chemical Society*, Burlington House, London, W., at 4 p.m. Annual general meeting. Sir William Ramsay, K.C.B., F.R.S. (President) will deliver his address entitled "Elements and Electrons" at 7 p.m. Anniversary dinner at the Hôtel Métropole (Whitehall Rooms), Sir William Ramsay in the chair.

### Friday, March 26.

- Royal Institution of Great Britain*, Albemarle Street, Piccadilly, London, W., at 9 p.m. Mr. A. S. Eddington on "Recent Results of Astronomical Research."
- St. Vincent Association*, Restaurant Frascati, Oxford Street, London, W., at 7.30 p.m. Smoking-concert. Tickets from the Secretary, 13 Devonshire Square, London, E.C.

THE London Chemists' Association will give a dinner in the King's Hall, Holborn Restaurant, W.C., on April 1, to commemorate the passing of the Poisons and Pharmacy Act. Several members of both Houses of Parliament will be present. Tickets, 6s. 6d. each, from Mr. J. Wellesley Douglas (Hon. Secretary), 19 Kennington Terrace, Kennington Park, London, S.E.

**LONDON CHEMISTS' GOLF CLUB.**—Play in the first monthly medal competition will take place over the Chingford course during the first week in April. Members, who may choose a day most suitable to themselves for playing, are requested to send their handicaps or scores to the Secretary (Mr. Wm. Duncan, 52 Shaftesbury Road, Hornsey Rise, N.) not later than March 20, and also notify him the day on which they intend to compete. The latter notice must reach the Secretary before the day of play.

### Where to Study.

THE following educational institutions are advertising in this issue:

- Muter's (South London) School of Pharmacy, 325 Kennington Road, London, S.E.
- London College of Chemistry, etc., 323 Clapham Road, London, S.W.
- South of England College of Pharmacy, 186 Clapham Road, London, S.W.
- Leeds College of Pharmacy, Clarendon Road, Leeds.
- Northern College of Pharmacy, 100-102 Burlington Street, Manchester.
- Manchester College of Pharmacy, 225 and 227A Oxford Road, Manchester.
- Edinburgh Central School of Pharmacy, Clyde Street, Edinburgh.





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**Established in  
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No. 1,521. Vol LXXIV.

MARCH 20, 1909

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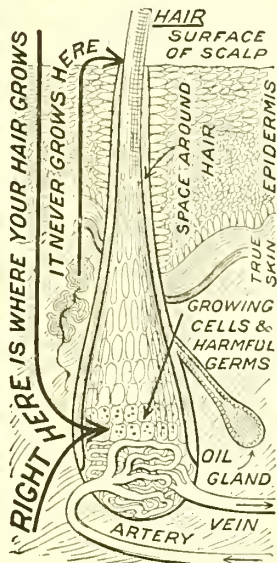
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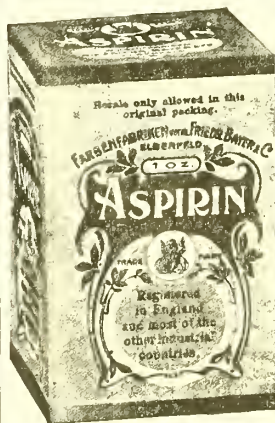
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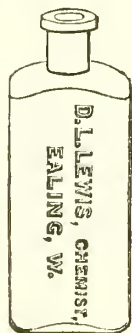
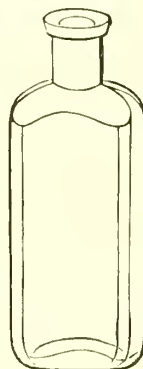
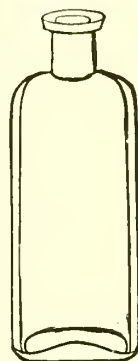
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## THE BUYERS' GUIDE.

In this section, under appropriate headings, are given the names of firms advertising in this or other issues. No charge is made to advertisers for the insertion of their names, but only those who have contracts current for advertising in this journal are mentioned. The headings refer generally to the classes of goods actually advertised during the month. Inquiries regarding articles not advertised should be addressed to "The Chemist and Druggist," 42 Cannon Street, London, E.C., and will receive prompt attention.

### ADVERTISING IDEAS

Advert. Publicity Co.  
Allison, J. R. B.  
Degen, F. A.  
Raphaels, Ltd.  
Slack, Bernard  
Smith, W. H., & Son

### AER-WATER MACHINERY

Barnett & Foster  
British Automatic Aerators, Ltd.  
Jackson, J. P., & Co., Ltd.  
(See also SODA FOUNTAINS)

### AER-WATER MATERIALS

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Bush, W. J., & Co., Ltd.  
Hay, William, Ltd.  
Stevenson & Howell, Ltd.  
(See also ESSENCES, SOL.)

### AGRICULTURAL SPECIALITIES

Aeae Chemical Co., Ltd.  
Burt, Boulton & Haywood, Ltd.  
Morris Little & Son, Ltd.  
Robertson, A., & Sons  
Sanitas Co., Ltd.  
Smith, B. A., & Co.  
Tomlinson & Hayward, Ltd.  
With's Chemical Co.  
Woolleys, Ltd.

### AERATED WATERS

Burrow, W. & J. (Malvern)  
Camwal, Ltd.  
Idris & Co., Ltd.  
Jewsbury & Brown

### AGENCIES, COLONIAL, & C.

Faulding, F. H., & Co.  
Lennon, Ltd.  
Murdoch, John, & Co.  
Peake, Allen & Co. (India)  
Sankyo & Co.  
Smith, W. J., & Co.

### ALKALOIDS

Boehringer, C. F., & Soehne  
Boehringer, C. H., Sohn  
Hoffmann-La Roche, Ltd.  
Howards & Sons, Ltd.  
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### AMMONIA AND ITS SALTS

Brown & Blackburn  
Burt, Boulton & Haywood, Ltd.  
Nichols Chemical Co., Ltd.  
Scrubb & Co., Ltd.  
White, A., & Sons

### ANÆSTHETICS

Duncan, Flockhart & Co.  
Macfarlan, J. F., & Co.  
Smith, T. & H., Ltd.  
Zimmermann, C., & Co.  
(See also CHLOROFORM)

### ANTIMONY AND ITS SALTS

May & Baker, Ltd.  
White, A., & Sons  
Burge, Warren & Ridgley, Ltd.

### ANTI-RHEUMATIC RINGS

Burge, Warren & Ridgley, Ltd.

### ARROWROOT

Harker, George, & Co., Ltd.

### ART NOVELTIES

Tuck, Raphael, & Sons, Ltd.

### ARTIFICIAL LIMBS

Haywood, J. H.

### BALLROOM-FLOOR POLISH

Lofthouse & Saltmer  
Woolley, J., Sons & Co., Ltd.

### BATH GLOVES

Hovenden, R., & Sons, Ltd.  
Schutze, F., & Co.  
Solport Bros.

### BATHING CAPS

Maw, S., Son & Sons  
Schutze, F., & Co.

### BAROMETERS

Darton, F., & Co.

### BINOCULARS

Darton, F., & Co.  
Raphaels, Ltd.

### BISMUTH SALTS

Alliance Drug & Chem. Co.  
Howards & Sons, Ltd.  
May & Baker, Ltd.  
Merck, E.  
Morson, T., & Son  
Tyrer, T., & Co., Ltd.  
White, A., & Sons

### BOOKS AND MAGAZINES

Analytical Notes (Evans)  
Churchill, J. & A.  
Hford "Photo Manna"  
Lewis, H. K.  
Martindale's "Extra Phar."  
"Prescriber, The"  
Squire's "Companion"  
Tuck, Raphael, & Sons, Ltd.

### BOTANICAL DRUGGISTS

Newhall & Mason  
Potter & Clarke, Ltd.

### BREAST RELIEVERS

Maw, S., Son & Sons

**BOTTLES**

Barnett & Foster  
Beatson & Co.  
Brefitt, E., & Co., Ltd.  
Chemists' Co-operative Wholesale  
Fecher, M. J.  
Gansch, J. B.  
Isaacs & Co.  
Johnsen & Jorgensen, Ltd.  
Kilner Bros., Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co.  
Pothe, H., & Co.  
Rose, Carl  
Taylor, F. H., & Sons  
Toogood, W., Ltd.  
Youldon, E., Ltd.

**BOXES**

Ford, Shapland & Co.  
Harrison & Waide  
May, Roberts & Co.  
Robinson & Sons, Ltd.  
Rogers & Co.  
Stipendum Stopper Co.

**BROMINE AND BROMIDES**

Howards & Sons, Ltd.  
Merck, E.

**BRUSHES**

Addis, W., & Son  
Bidwell, Bidwell & Co.  
Fecher, M. J.  
Hovenden, R., & Sons, Ltd.  
Kent, G. B., & Sons, Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co.  
Meyer-Sander Dental Supply  
Tilbury, W. R., & Co.

**BUTTER COLOURING**

Pullwood, R. J., & Bland  
Oldfield, Pattinson & Co.

**CACHETS**

Christy, T., & Co.

**CALENDARS**

Tuck, Raphael, & Sons, Ltd.

**CAMOMILES**

Boehm, F., Ltd.  
Carmichael, F. J., & Co.

**CAMPBOR**

Alliance Drug & Chemical Co.  
Chemists' Co-operative Wholesale  
Howards & Sons, Ltd.  
May & Baker, Ltd.

**CAPPING MATERIALS**

Viscose Co., Ltd.

**CAPS FOR BOTTLES, &c.**

Darter, Wilkinson & Co.  
Fecher, M. J.  
Viscose Co., Ltd. (self-fixing)

**CAPSULES**

Allen & Hanburys, Ltd.  
Baiss Bros. & Stevenson, Ltd.  
British Drug Houses, Ltd.  
Davies, Sons & Co.  
Denoual, J., & Co.  
Duncan, Flockhart & Co.  
Lloyd, T. Howard, & Co.  
Mason Bros. & Chapman  
Mawson & Co.  
Pill, Tablet, & Capsule Alliance  
Tye, J., & Son  
Wand Mfg. Co.  
Wander, A.  
Warrick Bros.  
Woolley, J., Sons & Co

**CAPSULING MACHINE**

Melin, C.

**CARBOLIC ACID**

Burt, Boulton & Haywood, Ltd.  
Calvert, F. C., & Co.  
Chemists' Co-operative Wholesale  
Hoffmann-La Roche, Ltd.  
(See also DISINFECTANTS)

**CARDS, CHRISTMAS, &c.**

Tuok, Raphael, & Sons, Ltd.

**CARTONS**

Ford, Shapland & Co.  
Harrison & Waide

**CASH TILLS**

British Machine Co., Ltd.

**CASTOR OIL**

Boehm, F., Ltd.  
Hull Oil Mfg. Co., Ltd.  
Premier Oil Extract. Mills, Ltd.

**CAUSTIC SODA**

Brunner, Mond & Co., Ltd.  
United Alkali Co., Ltd.

**CEMENTS**

Kay Bros., Ltd.

**CHALK, PRECIPITATED**

Levermore, A., & Co.  
Mumford, G. S., & Sons  
Nichols Chemical Co., Ltd.  
Sturge, John & E.

**CHAMOIS**

Cresswell Bros. & Schmitz  
Internatl. Sponge Importers  
Kent, G. B., & Sons, Ltd.  
Solport Bros.

**CHEMICAL MFRS.**

Bayer Co., Ltd.  
Boehm, F., Ltd.  
Boehringer, C. F., & Soehne  
Bramwell, E., & Son  
British Drug Houses, Ltd.  
Brunner, Mond & Co., Ltd.  
Burgoyne, Burdidges & Co.  
Burroughs Wellcome & Co.  
Harrington Bros., Ltd.  
Hoffmann-La Roche, Ltd.  
Howards & Sons, Ltd.  
Knoll & Co.  
Macfarlan, J. F., & Co.  
Martindale, W.  
May & Baker, Ltd.  
Merck, E.  
Morson, T., & Son  
Schimmel & Co.  
Smith, B. A., & Co.  
Smith, T., & H., Ltd.  
Sthamer, Dr. Richard  
Sturge, John & E.  
Tyrer, T., & Co., Ltd.  
Washington Chemical Co.  
White, A., & Sons

**CHEMISTS, MFG.**

Allen, Stafford, & Sons, Ltd.  
Anglo-American Pharm. Co., Ltd.  
Ayrton, Saunders & Co.  
Beetham, M., & Son  
Bell, John, & Co.  
Blackie, R.  
British Drug Houses, Ltd.  
Burgoyne, Burdidges & Co.  
Burroughs Wellcome & Co.  
Bush, W. J., & Co., Ltd.  
Davenport, J. T., Ltd.  
Duncan, Flockhart & Co.  
Evans Sons Lescher & Webb, Ltd.  
Fletcher, Fletcher & Co.  
Hay, William, Ltd.  
Hewlett, C. J., & Son  
Horne & Sons  
Kutnow, S., & Co., Ltd.  
Lorimer & Co., Ltd.  
Mandall & Co., Ltd.  
Martindale, W.  
Newball & Mason  
Newbery, F., & Sons, Ltd.  
Oldfield, Pattinson & Co.  
Oppenheimer, Son & Co.  
Owbridge, W. T., Ltd.  
Parke, Davis & Co.  
Potter & Clarke  
Randall & Son, Ltd.  
Ransom, W., & Son  
Sankyo & Co.  
Shirley Bros., Ltd.  
Southall Bros. & Barclay, Ltd.  
Squire & Sons  
Standard Tablet & Pill Co.  
Stevenson & Howell, Ltd.  
Thompson & Capper  
Wand Mfg. Co.  
Woolleys, Ltd.  
(See also WHOLESALE)

**CHEST PROTECTORS**

Schutze, F., & Co.  
Solport Bros.  
Wood, Vincent

**CHLORIDE OF LIME**

Brunner, Mond & Co., Ltd.

**CHLOROFORM**

Duncan, Flockhart & Co.  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.  
Morson, T., & Son  
Smith, T., & H., Ltd.

**CIGARS AND CIGARETTES**

Hovenden, R., & Sons, Ltd.  
Singleton & Cole, Ltd.

**CITRIC ACID AND CITRATES**

British Drug Houses, Ltd.  
Howards & Sons, Ltd.  
Lloyd, T. H., & Co.  
Morson, T., & Son  
Sturge, John & E.

**CLINICAL THERMOMETERS**

Burge, Warren & Ridgley, Ltd.  
Bush, H. W., & Co., Ltd.  
Dartton, F., & Co.  
Hicks, J. J.  
Maw, S., Son & Sons  
Newbery, F., & Sons, Ltd.  
Rose, Carl  
Taylor, F. H., & Sons  
Zeal, G. H.

**CLOTH BALLS**

O'Neill, Zetta & Co.  
Senier, A., & Co

**COAL TAR SPECIALITIES**

wright, Layman & Umney, Ltd.

**COCOA**

Oadbury Bros., Ltd.  
Frame Food Co.  
International Plasmon, Ltd.  
Oppenheimer, Son & Co., Ltd.  
Van Houten & Zoon

**COOL-LIVER OIL**

Aarssether, Brodr.  
Albrethson, A., & Co.  
Allen & Hanburys, Ltd.  
Alliance Drug & Chem. Co.  
Baiss Bros. & Stevenson, Ltd.  
British Drug Houses, Ltd.  
Bush, H. W., & Co., Ltd.  
Devold, Peder

Evans Sons Lescher & Webb, Ltd.

Goodall, Backhouse & Co.

Jervell & Co., Ltd.

Lloyd, T. Howard, & Co.

Southall Bros. & Barclay, Ltd.

Woolley, Jas., Sons, & Co., Ltd.

Wright, Layman & Umney, Ltd.

Zimmermann, C., & Co.

**COLOURS, BEVERAGE, ETC.**

Cresp-Martineng

Stevenson & Howell, Ltd.

(See also DAIRY ADJUNCTS)

**COMBS**

Hovenden, R., & Sons, Ltd.  
Kent, G. B., & Sons, Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co.  
Newbery, F., & Sons, Ltd.  
Sangers'

**CORKS**

Mitchell, N. W., & Sons, Ltd.

**COUNTER ADJUNCTS**

Evans Sons Lescher & Webb, Ltd.

**COUNTER SPECIALITIES**

Allen & Hanburys, Ltd.  
British Drug Houses, Ltd.  
Davenport, J. T., Ltd.  
Hewlett, C. J., & Son  
Newbery, F., & Sons, Ltd.  
Southall Bros. & Barclay, Ltd.  
Woolleys, Ltd.

**CREAM OF TARTAR**

British Drug Houses, Ltd.

**CREOSOTE**

Baiss Bros. & Stevenson, Ltd.  
Burt, Boulton & Haywood  
Morson, T., & Son

**CYANIDES**

May & Baker, Ltd.

**DAIRY ADJUNCTS**

Benger's Food, Ltd.  
Fullwood, R. J., & Bland  
Tomlinson & Haywood, Ltd.

**DEAFNESS AIDS**

Hawksley, T.

**DENTAL MECHANICS**

Fentiman, A. G.  
Fentiman, A. J., & Co.  
Haider, E. O.  
Wardale & Co.

**DENTIFRICES**

Beecham, T.  
Beiersdorf, P., & Co.  
Bell, John, & Co.  
Blackie, R.  
Burroughs Wellcome & Co.  
Calvert, F. C., & Co.  
Christy, T., & Co.  
Cook, E., & Co., Ltd.  
Euclry, Ltd.  
Jewsbury & Brown  
Lambert Pharmacal Co.  
McKesson & Robbins  
Maw, S., Son & Sons  
Meyer-Sander Dental Supply  
Newbery, F., & Sons, Ltd.  
Odol Chemical Works  
Sozodont (Richards)  
Standard Tablet & Pill Co.  
Woods, W., & Son  
Woolley, J., Sons & Co., Ltd.

**DIABETIC BREAD AND FOOD**

Callard & Co.

Van Abbott, G., & Sons

**DIGESTIVE PRODUCTS**

Armour & Co., Ltd.  
Benger's Food, Ltd.  
Fairchild Bros. & Foster  
Parke, Davis & Co.  
Squire & Sons  
Zimmermann, C., & Co.

**DOG BISCUITS AND PREPS.**

Spratt's Patent, Ltd.

**DRUGS, CRUDE**

Potter & Clarke, Ltd.

Ransom, W., & Son

**DYES**

Judson, D., & Son

Whitaker & Co.

**DISINFECTANTS**

Baiss Bros. & Stevenson, Ltd.  
Burgoyne, Burdidges & Co.  
Burt, Boulton & Haywood, Ltd.  
Calvert, F. C., & Co.  
Condy & Mitchell, Ltd.  
Dalmas, A. de St., & Co.  
Edwards, W., & Son  
Jeyes' Sanitary Compounds, Ltd.  
Kay Bros., Ltd.  
Lambert Pharmacal Co.  
McDougall Bros.  
Morris Little & Son, Ltd.  
Rowan, A., & Brother  
Sanitas Co., Ltd.  
Standardised Disinfectants Co., Ltd.  
Tomlinson & Haywood, Ltd.  
Willows, Francis B. & T.  
Wright, Layman & Umney, Ltd.  
Zimmermann, C., & Co.

**DRUGGISTS' SUNDRIES**

Ayrton, Saunders & Co., Ltd.  
Barclay & Sons, Ltd.  
Berliner, Arthur  
Burge, Warren & Ridgley  
Burgoyne, Burdidges & Co.  
Bush, H. W., & Co., Ltd.  
Chemists' Co-operative Wholesale  
Christy, T., & Co.  
Cook, Alfred, & Co.  
Edwards, W., & Son  
Evans Sons Lescher & Webb  
Fecher, M. J.  
Hay, J. B., & Co.  
Hewlett, C. J., & Sons  
Hovenden, R., & Sons, Ltd.  
Ingram, J. G., & Son  
Johnsen & Jorgensen, Ltd.  
Lennon, Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co.  
Murdoch, John, & Co.  
Newbery, F., & Sons, Ltd.  
Pothe, H., & Co.  
Quelch, H. C., & Co.  
Sangers'  
Schutze, F., & Co.  
Seabury & Johnson  
Solport Bros.  
Southall Bros. & Barclay, Ltd.  
Taylor, F. H., & Sons  
Tidman & Son, Ltd.  
Toogood, W., Ltd.  
Viscose Co., Ltd.  
Wood, Vincent  
Woolley, J., Sons & Co.  
**EAU DE COLOGNE**  
Farina, J. M.  
Farina, J. M. (No. 4)  
Pickus, Courtenay & Co.  
McCracken, J. & R.  
Schutze, F., & Co.

**EDUCATIONAL INSTITUTIONS**

Bath and West of England College of Pharmacy  
Birmingham and Midland College of Pharmacy  
Edinburgh Central School of Pharmacy  
Glasgow School of Pharmacy  
Leeds College of Pharmacy  
Liverpool School of Pharmacy  
London College of Pharmacy  
Manchester College of Pharmacy  
Muter's (So. Lond.) School of Pharmacy  
North of England School of Pharmacy  
Northern College of Pharmacy  
School of Pharmacy  
South of England College of Pharmacy

**EFFERVESCENT PREPS.**

Allen & Hanburys, Ltd.  
Bishop, Alfred, Ltd.  
Blackie, R.  
Bristol-Myers Co.  
Cox, A. H., & Co., Ltd.  
Goodall, Backhouse & Co.  
Kutnow, S., & Co., Ltd.  
Lloyd, T. Howard, & Co.  
Lorimer & Co., Ltd.  
Martindale, W.  
Newball & Mason  
Parke, Davis & Co.  
Potter & Clarke  
Shirley Bros.  
Standard Tablet & Pill Co.  
Sturge, John & E.  
Tidman & Son, Ltd.  
Tyrer, T., & Co., Ltd.  
Wright, Layman & Umney  
**ELECTRICAL MASSAGE INSTRUMENTS**  
Jones & Kleiser



**ELASTIC Hosiery**

Ayrton, Saunders & Co., Ltd.  
Berliner, Arthur  
Haywood, J. H.  
Jackson, Röhrs, & Co.  
Maw, S., Son & Sons  
Wood, Vincent

**EMERY AND CLOTH**  
Oakley, J., & Sons, Ltd.**EMULSIONS, COD - LIVER OIL, ETC.**

Allen & Hanburys, Ltd.  
Ayrton, Saunders & Co.  
Baiss Bros. & Stevenson, Ltd.  
Blackie, R.  
Boulton, J., & Co.  
British Drug Houses, Ltd.  
Burgoyne, Burbidges & Co.  
Evans Sons Lescher & Webb, Ltd.  
Faulding, F. H., & Co.  
Harker, Stagg & Morgan, Ltd.  
Lorimer & Co., Ltd.  
Oldfield-Pattinson & Co.  
Parke, Davis & Co.  
Woolley, Jas. Sons, & Co.  
Woolleys, Ltd.

**ENEMAS**

Armstrong, M. D.  
Bailey, W. H., & Son  
Baird Bros.  
Burge, Warren & Ridgley  
Daval Rubber Co.  
Hay, J. B., & Co.  
Ingram, J. G., & Son  
Maw, S., Son & Sons  
Toogood, W., Ltd.  
Warne, W., & Co., Ltd.

**ENGRAVINGS**

Tuck, Raphael, & Sons, Ltd.

**EPSON SALTS**

Howards & Sons, Ltd.

**ESSENCES, CONCRETE**

Lautier Fils  
Murray, O., & Co., Ltd.  
Roure-Bertrand fils  
Schmoller & Bompard

**ESSENCES, SOL. AND FRUIT**

Alliance Drug & Chem. Co.  
Baiss Bros. & Stevenson, Ltd.  
Barnett & Foster  
Bush, W. J., & Co., Ltd.  
Cresp-Martineng  
Evans Sons Lescher & Webb  
Hay, Wm., Ltd.  
London Essence Co.  
Lorimer & Co., Ltd.  
Newball & Mason  
Roure-Bertrand fils  
Spencer, J., Son & Co.  
Stevenson & Howell, Ltd.  
Whittaker, A.  
Zimmermann, A. & M.

**ETHERS**

Baiss Bros. & Stevenson, Ltd.  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.  
Tyrer, T., & Co., Ltd.  
White, A., & Sons

**ETHYL CHLORIDE**

Duncan, Flockhart & Co.

**EUCALYPTUS OIL**

British Drug Houses, Ltd.  
Baiss Bros. & Stevenson, Ltd.

**EXTRACT OF HERBS**

Newball & Mason  
Potter & Clarke

**EXTRACTS (MEDICINAL)**

Allen, Stafford, & Sons, Ltd.  
Chemists' Co-operative Wholesale  
Hewlett, C. J., & Son  
Ransom, W., & Son  
(See also WHOLESALE DRUGGISTS)

**FEEDING BOTTLES**

Breffit, E., & Co., Ltd.  
Bush, H. W., & Co., Ltd.  
Fecher, M. J.  
Hoveniden, R., & Sons, Ltd.  
Kilner Bros., Ltd.  
Maw, S., Son & Sons  
Sangers'  
Savory & Moore, Ltd.  
Southall Bros. & Barclay, Ltd.  
Taylor, F. H., & Sons

**FERTILIZERS**

With's Chemical Manure Co.

**FILLING MACHINES**

Roberts' Pat. Fill. Machine Co.

**FILTERS (WATER)**

Berkefeld Filter Co., Ltd.  
Bush, H. W., & Co., Ltd.

**FLY CATCHERS**

Alabastine Co. (British), Ltd.  
Lange's, H., Successors  
Smith, J. H., & Co.  
Strong, Christy

**FOODS, INFANTS'**

Allen & Hanburys, Ltd.  
Benger's Food, Ltd.  
Frame Food Co., Ltd.  
Lofthouse & Saltmer  
Natural Food Co., Ltd.  
Willows, Francis B. & T.

**FOODS, SPECIAL**

Allen & Hanburys, Ltd.  
Antineurasthin Co.  
Benger's Food, Ltd.  
Brand & Co., Ltd.  
Callard & Co.  
Fairechild Bros. & Foster  
Frame Food Co., Ltd.  
International Plasmon, Ltd.  
Lemco, Ltd.  
Menley & James, Ltd.  
Miol Manufacturing Co.  
Natural Food Co., Ltd.  
Ridge's Royal Food Mills  
Wander, A.

**FORMALDEHYDE**

Burt, Boulton & Haywood

**FULLER'S EARTH**

Mumford, G. S., & Sons

**FUMIGATORS**

Sanitas Co., Ltd.

**GELATIN AND GLUE**

Boehm, F., Ltd.

**GLAUBER'S SALT**

Bramwell, E., & Son  
Howards & Sons, Ltd.  
Nichols Chemical Co., Ltd.

**GLYCERIN**

Boehm, F., Ltd.  
Price's Patent Candle Co.

**GOLD PAINT**

Judson, D., & Son

**GRINDERS**

Allen, Stafford, & Sons, Ltd.  
Goodall, Backhouse & Co.  
Willows, Francis B. & T.

**HAIR PREPARATIONS**

Capsuloid Co., Ltd.  
Dubosch & Gillingham  
Edwards' "Harlene" Co.  
Harker, Stagg & Morgan  
J.S.W. Preparations, Ltd.  
"Nyto" Co.  
Robare's Aureoline  
Rowland, A., & Sons  
Woolleys, Ltd.

**HAT DYES**

Whittaker & Co.

**HERBS**

Potter & Clarke

**HOMOEOPATHIC MEDICINES**

Ashton & Parsons, Ltd.  
Epps, J., & Co., Ltd.  
Keene & Ashwell, Ltd.  
Leath & Ross

**HOSPITAL SHEETING**

Dunlop Rubber Co., Ltd.

**HOT-WATER BOTTLES**

Berliner, Arthur  
Burge, Warren & Ridgley  
Dunlop Rubber Co., Ltd.  
Zubiam - Pottery & Cheavin  
Filter Co., Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co.  
Southall Bros. & Barclay  
Wood, Vincent

**HOTELS**

Esmond Hotel  
Kingsley Hotel  
Thackeray Hotel

**HYDROGEN PEROXIDE**

May & Baker, Ltd.  
Sanitas Co., Ltd.  
Tyrer, T., & Co., Ltd.

**HYPOPHOSPHITES**

May & Baker, Ltd.  
Merck, E.  
Tyrer, T., & Co., Ltd.

**INHALERS**

Christy, T., & Co.  
Fecher, M. J.  
Sangers'

**INK**

Bewley & Draper, Ltd.  
Hickisson, A. B.  
Hooper, W., & Co.

**INSECT POWDER**

Boehm, F., Ltd.  
Carmichael, F. J., & Co.  
Shirley Bros., Ltd.  
Smith, B. A., & Co.

**INSECTICIDES**

Aeme Chemical Co., Ltd.  
Smith, B. A., & Co.  
Tomlinson & Hayward, Ltd.  
Woolleys, Ltd.

**IODINE AND IODIDES**

Howards & Sons, Ltd.  
Merck, E.  
Morson, T., & Son

**ITROSYL**

Fletcher, Fletcher & Co.

**JACONETTES**

Dunlop Rubber Co., Ltd.

**JARS AND POTS**

Breffit, E., & Co., Ltd.  
Cook, A., & Co.  
Johnsen & Jorgensen, Ltd.  
Kilner Bros., Ltd.  
Maw, S., Son & Sons  
Pothe, H., & Co.  
Stipendium Stopper Co.  
Taylor, F. H., & Sons  
Toogood, W., Ltd.

**LACTOBACILLINE PRODS.**

Allen & Hanburys, Ltd.  
Martindale, W.  
Parke Davis & Co.  
Wilcox, Jozeau & Co.

**LAMPS, DISINFECTING**

McDougall Bros.

**LAMPS, REFLECTOR**

Bruce, F. & J.

**LANOLINE**

Burroughs Wellcome & Co.  
Christy, T., & Co.  
Sangers'

Wilson & Mansfield

**LANTERNS**

Butcher, W., & Sons

**LARD**

Chemists' Co-operative Wholesale  
Ewen, J., & Sons

**LIME JUICE AND CORDIAL**

Evans Sons Lescher & Webb  
Goodall, Backhouse & Co.  
Idris & Co., Ltd.

**LINSEED, CRUSHED, ETC.**

Allen, Stafford, & Sons  
Mumford, G. S., & Sons

**LIQUORICE JUICE**

Boehm, F., Ltd.  
British Drug Houses, Ltd.  
Burgoyne, Burbidges & Co.  
Evans, Gray & Hood  
Evans Sons Lescher & Webb, Ltd.  
Horner & Sons  
Jackson, E. E.  
Mumford, G. S., & Sons

**LIQUORS, CONC., ETC.**

Allen, Stafford, & Sons, Ltd.  
Fletcher & Fletcher & Co.  
Hewlett, C. J., & Son  
Robinson, B., & Co.

**LITHIA SALTS**

British Drug Houses, Ltd.  
May & Baker, Ltd.  
Merck, E.

**LOOFABS**

Cresswell Bros. & Schmitz

**LOZENGES**

Allen & Hanburys, Ltd.  
Cox, A. H., & Co., Ltd.  
Denoual, J., & Co.  
Jackson, E. E.  
Potter & Clarke  
Raimes & Co.  
Shirley Bros., Ltd.  
Warrick Bros.

**MACHINERY, PHARMACAL**

Allen & Hanburys, Ltd.  
Bennett, E., & Son, Ltd.  
Bennett, Sons & Shears, Ltd.  
Brown & Son  
Fecher, M. J.  
Gardner, Wm., & Sons, Ltd.  
"Hercules" Meat Juice Press  
Pindar, J. W., & Co.  
Roberts' Patent Filling Machine Co.  
Smith, B. A., & Co.  
Stokes, F. J., Machine Co.  
Thompson & Capper (Stokes)  
Wilkinson, S. W., & Co.

**MALT EXTRACT AND PREP.**

Allen & Hanburys, Ltd.  
Baiss Bros. & Stevenson, Ltd.  
Blackie, R.  
British Dia Malt Co.  
Burroughs Wellcome & Co.  
Evans Sons Lescher & Webb  
Hewlett, C. J., & Son  
Hoff's Malt  
Lorimer & Co., Ltd.  
Oppenheimer, Son & Co., Ltd.  
Paine & Co., Ltd.  
Southall Bros. & Barclay, Ltd.  
Squire & Sons  
Woolley, Jas., Sons & Co., Ltd.  
Wright, Layman & Umney

**MAGNESIA AND ITS SALTS**

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**The BRITISH DIAMALT CO., 11 & 13 Southwark St., London, S.E.**

Works—SAWBRIDGEWORTH, HERTS.



# Lactone Tablets

(P., D. & CO.)

furnish a pure culture of lactic acid bacilli in an active state and in a form convenient for fermenting fresh milk, producing a refreshing and nutritious beverage which closely resembles fresh-churned buttermilk in taste and appearance.

"Lactonised" Milk is prescribed in various gastric disorders, in the diet of tuberculosis and typhoid fever and as a readily assimilable food for infants.

*THE LANCET of July 25, 1908, says:*

"We have made a careful laboratory experiment with these in accordance with the directions, and have found the tablets satisfactorily active in producing buttermilk."

Lactone Tablets (P., D. & Co.) are supplied in bottles to retail at 2 6 P.A.T.A.

## PEPTONISING TABLETS

(P., D. & CO.)

A reliable means of readily preparing predigested milk, grue, beef tea, and other invalid foods.

In bottles to retail at 1/9 P.A.T.A.

## RENNIN TABLETS

(P., D. & CO.)

One tablet will curdle one pint of milk. Very convenient for the preparation of junket, curds and whey, &c.

In bottles to retail at 6d. and 10½d. P.A.T.A.

**Parke, Davis & Co.,** 50 Beak St., Regent St., **London, W.**

# Have you entered

for the

## EUTHYMOL

## WINDOW-DISPLAY COMPETITION?

IF NOT, LOSE NO TIME IN SENDING FOR  
PARTICULARS OF PRIZES OFFERED.

**PARKE, DAVIS & Co.,** 50 Beak St., Regent St., **LONDON, W.**

**LARGE PROFITS, QUICK SALES**

for those who stock

**DALLOFF TEA**

The world's greatest cure for

**CORPULENCY**

**Dalloff Tea**, a herbal compound, prepared under strict medical supervision, is recommended by the leading physicians of all Europe, and sells readily. Further, owing to our extensive advertising of Dalloff Tea, for corpulency, in all the leading daily papers and ladies' magazines, Dalloff Tea is absolutely in demand; all you have to do is pass out a packet and take in the money. Every packet sold assures you of six further sales to same customer. Obtainable through all wholesale houses.

For further particulars write us, and our representative will call upon you.

**L. GENIN & CO., 32 NEWGATE STREET, LONDON, E.C.****True Bermuda Arrowroot**

TRADE MARK.



REGISTERED.

is shipped only by W. T. James, Hamilton, Bermuda, who desires to warn buyers against "so-called" Bermuda Arrowroot which is being freely offered and sold in the United Kingdom as genuine Bermuda. Recommended by the Medical Faculty.

For Samples of the Genuine Bermuda Arrowroot apply to

**George Harker & Co., Ltd., 101/103 Upper Thames Street, London, E.C.****LOFTHOUSE & SALTMER, Wholesale and Export Drug Merchants, Manufacturing Chemists, HULL,**

Offer the Trade the following valuable P.A.T.A. Protected lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the Country.

PROTECTED RETAIL PRICE.			DOZEN.			PROTECTED RETAIL PRICE.			DOZEN.		
LOSALL'S SALT (well advertised), tins	...	6d.	...	3/6	net.	PREPARED BARLEY ("Crown Brand.")	...	—	...	4/-	net.
" " " bottles	...	1/-	...	7/-	"	Usual 1/- size, lever lid tins. A good selling line	...	—	...	4/6	"
" " " in cartons	...	1/6	...	10/6	"	MALTED FOOD. Usual 1/- size, lever lid tins. Buyer's name and address printed free on 3 dozens. Special design label, name and address, on gross orders if desired	...	—	...	4/6	"
LOSALL'S MILK FOOD, oblong tins	...	8d.	...	5/6	"	LOSALL'S FOOT-ROT OINTMENT, enamelled tins	...	1/-	...	7/6	"
1/- size. Ideal Food for children and adults	...		...								
FINEST HYGIENIC FIRST MILK FOOD "Crown Brand," specially adapted for infants from birth to 3 or 4 months, tins 13	...	1/-	...	7/6	"						

Chemists taking up the above really valuable, large profit-yielding lines, will find them an important adjunct to their business.

London Agents: **F. NEWBERRY & SONS.**

If you want close up-to-date Quotations for superior and approved Counter Specialities, and for Pure Drugs, Chemicals or Pharmaceutical Preparations, don't fail to write to

**LOFTHOUSE & SALTMER, Wholesale Druggists, HULL.**



# Notice to Chemists.

---

Having been approached by the profession with a view to Dr. Hartmann's Antineurasthin (the celebrated and well advertised brain food) being sold generally through the trade, we shall have pleasure in complying with the request.

---

We however would like to impress the fact that Antineurasthin is not a patent medicine, but solely a brain and nerve food, of an expensive composition and manufacture, carefully and scientifically prepared from extracts of certain selected foods (*vide* recent test case at Mansion House).

---

Terms to the trade are 10 per cent. Being a food, Antineurasthin does not bear such a large margin of profit as a patent medicine, but as the treatment requires to be taken regularly and not in a spasmodic manner, the demand for Antineurasthin will be a consistent one, and will undoubtedly prove a regular and profitable quick "turn over" line.

---

Antineurasthin will also prove a specially remunerative line in view of the fact that the proprietors undertake to give your name and address to applicants in your district, thus adding considerably to your present clientèle.

---

Advertising will be continued on the already large scale, and although the appeal in the advertisement is directly to the reader by mail order, the proprietors will be ready and pleased to enter into co-operation with the trade providing the trade will take an interest in the sale of Antineurasthin.

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The Advertisements to the public are sufficiently explanatory in proving that Antineurasthin has already established a reputation, and bears out fully, by numerous testimonials, the claims as to its marvellous recuperative brain and nerve building powers.

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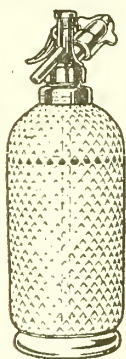
Any further information the proprietors will be pleased to supply.

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Kindly write—

**ANTINEURASTHIN CO.,** 80 BOTOLPH HOUSE,  
EASTCHEAP, E.C.

# Have you received a letter from us?



THE NEW  
DOUBLE-SIZED  
SPARKLET SYPHON.

IT TELLS you all about the new double-sized "Prana" Sparklet Syphon. D It announces the extensive advertising scheme which we are starting on the 1st May to assist you in 'booming' Sparklets. D It mentions certain alterations in prices—mostly reductions—which we would ask you to note. D If you haven't had it, you will in a day or two at most.

AERATORS, LTD.

March 18th, 1909.

Upper Edmonton, N.

## It will pay you to read it. BLOCK LIQUORICE JUICE

(Guaranteed  
absolutely pure.

"VB"

BRANDS

"BX"

"E"

("E" brand entirely soluble in cold water).

These juices, being **PURE**, bear the highest possible percentage of glycyrrhizin, and are consequently the most economical for all purposes.

EVANS, GRAY & HOOD. 5 GREAT TOWER STREET. LONDON. E.C.

### Maurice's Porcelaine

WALTER CARSON & SONS, having purchased the stock, goodwill, &c., of the above, beg to announce that they will continue to manufacture the well-known Enamels which have been so long associated with the name of MAURICE'S PORCELEINE CO.

Prices and full particulars on application to  
**Walter Carson & Sons.**

GROVE WORKS,  
BATTERSEA, LONDON,  
S.W.

"Acts Immediately."

# RUBWEL


SKIN OINTMENT.

AN EASY FIRST FOR QUICK SALES AND  
HANDSOME PROFITS.

**2<sup>d</sup>. 6<sup>d</sup>. & 1/- TINS**

Send for Samples and Liberal Terms—  
THE RUBWEL CO., Pendleton, Manchester.  
London Depot: 4 Redcross Street, E.C.





## INCREASED SYPHON SALES.

Any Chemist whose sales of Camwal Syphon Waters have fallen off, and who is disposed to make a determined push to retain and enlarge his business in this valuable Specialty, should write and ask the Company to specially co-operate with him for this purpose.

Valuable assistance can be given by "Camwal," if the Chemist, on his side, is willing also to co-operate.

"Camwal" welcomes any suggestion from Chemist-customers of a constructive and useful character for the purpose of increasing business.

Address the General Manager, Camwal Works, 112 Pembroke Street, London, N., or any Branch Manager.

### "CAMWAL" Ltd.

LONDON MANCHESTER BIRMINGHAM  
BRISTOL HARROGATE & MITCHAM.





# NATURAL MINERAL WATERS, &C.

SOLE AGENTS FOR

## VICHY

(STATE SPRINGS)

### CARLSBAD WATERS and SPRUDEL SALTS.

AESCLAP,  
BONIFACIUS,  
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CONCREXVILLE,  
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FRANZ-JOSEF,  
FRIEDRICHSHALL,  
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WHO LESALE AGENTS FOR

HUNYADI JANOS,  
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LEVICO,  
MONTREUX,  
OBERBRUNNEN,  
OBER-SELTERS,

PERRIER,  
ROSBACH,  
RUBINAT,  
ST. GALMIER,  
VALS,  
VILLACABRAS,  
VITTEL,  
WILDUNGEN,

and all other Natural Mineral Waters.

Price Lists. Show Cards, Dummy Bottles, Pamphlets, &c. [1]

**INGRAM & ROYLE, LTD.,** 26 UPPER THAMES ST., E.C.5  
AND AT LIVERPOOL AND BRISTOL.

*Special Discounts for Export.*

## A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)  
London Agent: T. W. CASHMAN, 16 Mark Lane, E.C.

Telephone No.: 8067 LONDON WALL.

## SODAWATER MACHINERY

### THE "COMPACT" MACHINES

are specially designed for  
CHEMISTS, GROCERS, RESTAURATEURS,  
and everyone to whom space is an object,  
and can be used for filling Syphons, Codd's  
Bottles, or Cork Bottles.

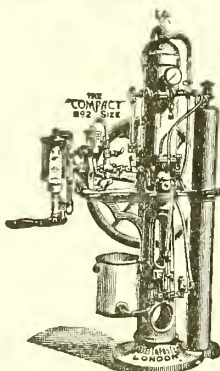
**OCCUPY LITTLE SPACE!  
ARE READY FOR USE IMMEDIATELY!  
REQUIRE NO FIXING!**

Produce Soda Water, Lemonade, &c., of the  
highest class and greatest purity.

*Write for Catalogue.*

**BARNETT & FOSTER, Niagara Works, 26<sup>th</sup> Eagle Wharf Road, N.**

*Proprietors of Galloway, Bros., Bolton.*



**A COMPLETE APPARATUS—  
CAPABLE OF PRODUCING OVER  
300 DOZEN LARGE BOTTLES  
OF AERATED WATER PER DAY  
—from £20.**

Bottles, Boxes, Essences, and all  
Requisites for the Trade at  
Lowest Prices.



# POTTER & CLARKE, Limited.

## SARSAPARILLA

and its Preparations.



### Extract of Jamaica Sarsaparilla Compound. No. 1.

The finest Extract obtainable. New label printed in colours. Packed in handsome boxes for counter display.

1/2 oz., in tins	...	...	...	1/6 per doz.
1/2 oz., in pots	...	...	...	2/6 "
1 oz. "	...	...	...	4/6 "

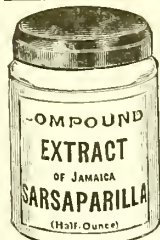
Our No. 1 Extract always sent unless otherwise ordered.

### Extract of Jamaica Sarsaparilla Compound.

No. 2. In Printed Cartons.

1/2 oz. in tins	...	...	...	...	1/2 per doz. to account; gross lots, 12/- nett.
1/2 oz. in pots	...	...	...	...	2/- " " " 20/- "
1 oz. "	...	...	...	...	3/6 " " " 36/- "

This Extract should be distinctly ordered as No. 2 or "In Cartons."



### Extract of Jamaica Sarsaparilla.

(In Opal Pots.)

Fitted with Celluloid Lids.

Packed in 1 doz. Outers.

1/2 oz. Opal Pots	...	...	...	...	2/6 per doz.
1 oz. "	...	...	...	...	4/- "

This Extract should be distinctly ordered "In Opal pots."

### Sarsaparilla Packets, Compound Jamaica.

Contains JAMAICA SARSAPARILLA, Sassafras, Liquorice Root, Mezerion, and Guaiacum. Absolutely the best packet for style and quality of ingredients. New litho label in colours with most artistic design. Packed in 1 doz. cases.

6d. packets (new label)	3/6 per doz.	Gross lots, 36 - nett.
3 1/2d. "	2/- "	" " 21/- nett.



WE OFFER TO ADVANTAGE

**JAMAICA SARSAPARILLA**  
**Brown.**

Cut and split.

DECOCTION SARSÆ.

**JAMAICA SARSAPARILLA**  
**Red.**

Cut and split.

Price Lists on application.

**POTTER AND CLARKE** DRUG MERCHANTS  
Limited. IMPORTERS OF HERBS.

60, 62 & 64, ARTILLERY LANE, LONDON E. ROOTS AND BARKS.

54 & 56 GREAT ANCOATS STREET MANCHESTER

## VISCOSE BOTTLE CAPS

For CAPPING EVERYTHING  
whether corked, stoppered or sprinkled.  
**BETTER APPEARANCE,  
MORE EFFICIENT AND EASIER  
TO APPLY THAN ANY OTHER  
CAPPING.**  
Strong, perfect fitting, SELF-FIX-  
ING, air-tight and spirit-tight, &c. &c.

VISCOSE DEVELOPMENT CO., Ltd., 3 New Court, Carey Street, London, W.C.

### BURROW'S

Alpha Brand



6 dozen  
Carriage Paid.

**MALVERN WATER.**

### SANFORD & SON,

SANDY. BEDS.

MANUFACTURERS AND PROPRIETORS OF SANFORD'S

### RAT, MICE & MOLE POISONS.

Successfully Used for 50 Years.

**Yield 85% profit.** Sold by all Wholesale Houses, or of  
**SANFORD & SON, SANDY.**  
IN TINS, 6d. TO 5/- EACH.

## An Attractive Window READ pays. READ



what "THE CHEMIST & DRUGGIST" says:

**LAIT LAROLA.** — "This little engraving represents one of the smartest arrangements for window-display that we have seen for some time. It is collapsible, measures 20 in. high by 11 in. wide, and although made of cardboard, at a distance of 3 or 4 yards it is so substantial looking as to convey the idea of the original cartons of 'Lait Larola.' It is just the thing to make an attractive corner in the window, on a shelf, or, indeed, in any part of the pharmacy. Any C. & D. subscribers who would like one should write to Messrs. Beetham & Son, Cheltenham, the proprietors of 'Lait Larola.'"



Also Show Cards and Coloured Pictorial Postcards for distribution if desired. All the "Larola" preparations are protected at **FULL FACE VALUE**, and the goods bear a good profit.

Price List with terms sent on application to—  
**M. BEETHAM & SON, Cheltenham.**

Add a new source of income  
to your business by taking up

## Laurence's

ONE-SOLUTION

## Hair Dye

In nine shades — Raven Black, Black, Dark Brown, Brown, Medium Brown, Light Brown, Golden Brown, Auburn and Chestnut.

### THE BEST ON THE MARKET. ABSOLUTELY RELIABLE.

Shows over 100 per cent. profit.

Can be supplied under Chemist's own title if preferred, and exclusive design of carton and label reserved in any one town.

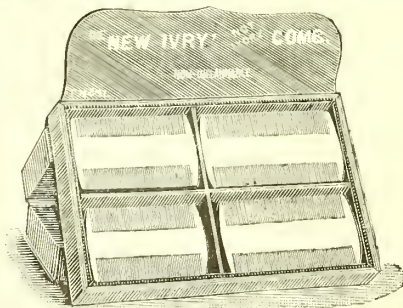
Write at once for particulars to—

### C. R. HARKER, STAGG & MORGAN

Devon Wharf, Emmott Street, LTD.

**MILE END, LONDON. E.**

## A silent, yet most effective way to show and sell SMALL TOOTH COMBS.



This Case, with 2 dozen  
assorted 6d. or 9d. Combs, **7/6**

Please order as the new  
"IVRY" S. T. COMBS, of

**FRANCIS NEWBERY & SONS, Ltd.**  
27 & 28 Charterhouse Sq., London, E.C.



# FOR 120 YEARS and up to the present time ROWLAND'S TOILET ARTICLES

Have been largely advertised all over the world; consequently there is always a large and steady demand for them, and they should always be kept in stock by Chemists and Stores.



## ROWLAND'S MACASSAR OIL

Preserves, Beautifies, and Restores the Hair.  
Sizes—3/6, 7/-, 10/6.

## ROWLAND'S GOLDEN MACASSAR OIL.

Specially adapted for Ladies' and Children's Hair  
Sizes the same.

## ROWLAND'S KALYDOR.

The favourite preparation among ladies for beautifying the Complexion and making the Skin soft, fair and delicate.  
2/3 and 4/6.

## ROWLAND'S ODONTO.

The best Tooth Powder for whitening the Teeth. 2/9.

**A. ROWLAND & SONS**, 67 Hatton Garden, London, will send, carriage free, Show Cards and Counter Bills with name at top on receipt of name and address.

# PAPIER POUDRE

## POWDER WITHOUT A PUFF.

The Original PAPIER POUDRE in Dainty Books.

Papier Poudré, 3d. size (White, Rose, or Rachel)	2/-
" " 6d. size " "	3/9
" " 1/- size " "	7/6
Papier Poudré Shaving Pads, 1/- size (White)	7/6

Special Prices to Wholesalers and Shippers.

### CAUTION.

An order has been entered by the Supreme Court of the State of New York against the Payne Manufacturing Company, prohibiting said defendants from manufacturing or selling any colourable imitations of the PAPIER POUDRÉ BOOKS of said PAPIER POUDRÉ, LTD.

### BEWARE OF THE NUMEROUS IMITATIONS.

None Genuine without our TRADE MARK. Price List on Application to

## PAPIER POUDRÉ, LIMITED,

23 SOMERSET STREET, PORTMAN SQUARE, LONDON, W.

Sole Agents for United States of America:

**F. R. ARNOLD & CO.**, 3, 5, and 7 West 22nd St., New York.

TRADE

MARKS.

REGISTERED



"LEHCARESOR."

Papier Poudré

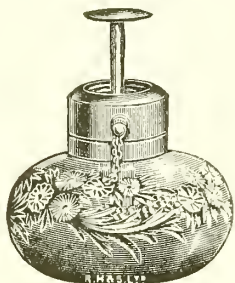


PAPIER POUDRÉ, LTD.

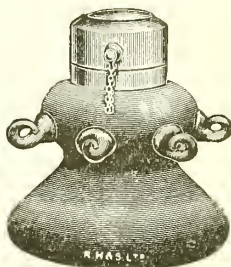
23 Somerset Street, Portman Square,  
London, W., and in Paris.

# TRAVELLING ODORATORS.

We have given our special attention to the manufacture of TRAVELLING ODORATORS, and have an immense variety in stock, including some of the FINEST ENGLISH, FRENCH, and BOHEMIAN CUT GLASS.



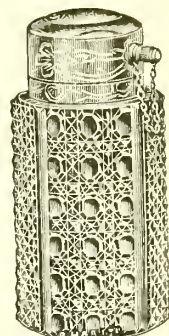
Hand-cut English Glass, with Nickel Mount.  
No. 32 ... 72/- per doz.



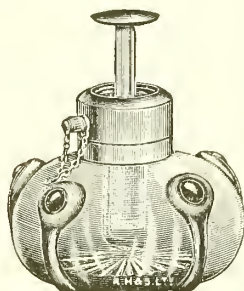
English Glass, tinted Green, with Nickel Mount.  
No. 38 ... 72/- per doz.



Hand-cut English Glass, with Nickel Mount.  
No. 22 ... 93/- per doz.



Cut Glass, tinted Ruby or Green, with Gilt Engraved Mount. No. 67... 93/- per doz.



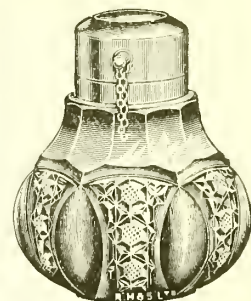
English Glass, with Emerald or Amethyst decoration.  
No. 3 ... 66/- per doz.



Decorated Glass.  
No. 82 ... 36/6 per doz.



Engraved Glass, with Nickel Mount.  
No. 81 ... 45/- per doz.



Handsome Cut Glass, with Nickel Mount.  
No. 79 ... 66/- per doz.



No. 157. Nickel.  
17/- per doz.

No. 158 ... 25/- per doz.  
No. 161 ... 31/- "  
No. 157, Gilt 30/- "

## Special Quotation for Quantities.

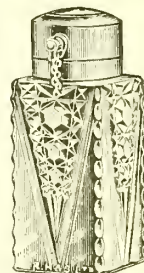
We invite a personal inspection of our stock of Sprays, and where this is impossible we shall be pleased to forward a selection on approval.



Hobnail Cut Glass, with Nickel Mount.  
No. 76.  
35/- per doz.



No. 612.  
Cut Glass, assorted.  
27/- per doz.



Cut Glass, with Nickel Mount.  
No. 606.  
45/- per doz.

**SUBJECT TO 2½% CASH DISCOUNT.**

LISTS MAY BE HAD POST FREE ON APPLICATION.

**R. HOVENDEN & SONS, LTD.,** 29, 30, 31, 32 & 33 BERNERS ST., OXFORD ST., W. **LONDON,**  
Tel. No. : 3021 Gerrard (2 lines).

85, 89, 91, 93 & 95 CITY ROAD, FINSBURY, E.C. Tel. No. : 1648 London Wall.



# ★ GUDA HAIR POWDER

===== AN INVALUABLE =====

## DRY SHAMPOO

FOR SUFFERERS FROM NEURALGIA,  
===== NO WATER BEING USED. =====

This preparation frees the hair from abnormal greasiness, making it easy to dress. It also promotes the luxuriance of the hair.

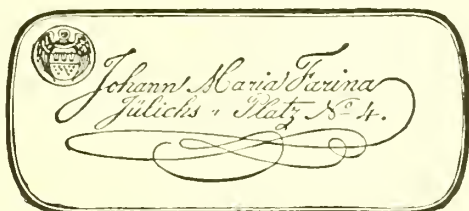
It is advertised largely in ladies' journals, and chemists should order full stocks. Price **12/-** per dozen, Retail **1/6** per Box.

*Write for prices and particulars to—*

### DUBOSCH & GILLINGHAM,

285 Regent Street, London.

## JOHANN MARIA FARINA — No. 4 — JULIHS PLATZ COLOGNE



The profits on No. 4 compare favourably with those to be obtained from any other high-class brand.

ASK FOR **No. 4** WHEN ORDERING.

WHOLESALE AGENTS:

FICKUS, COURTENAY & CO., St. Dunstan's Buildings, E.C.

BY APPOINTMENT TO H.M. KING EDWARD VII.

## TRY IT IN YOUR BATH

BY APPOINTMENT



TO H.M. THE KING.

## SCRUBB'S AMMONIA

MARVELLOUS PREPARATION

Refreshing as a Turkish Bath.

Splendid Cleansing Preparation for the Hair.

Allays the Irritation caused by Mosquito Bites.

Restores the Colour to Carpets.

Invaluable for Toilet Purposes.

Removes Stains and Grease Spots from Clothing.

Invigorating in Hot Climates.

Cleans Plate and Jewellery.

Softens Hard Water.

Of all Chemists, Etc. Price 1s. per Bottle.

SCRUBB & CO., LTD., GUILDFORD STREET, LONDON, S.E.

**LONDON COLLEGE****CHEMISTRY, PHARMACY, AND BOTANY.**PRINCIPALS: (HENRY WOOTTON, B.Sc. (Lond.)  
(ARTHUR KIRKLAND, Ph.C.)

The next complete Courses of Lectures commence on April 14.

Fees: Minor, 9½ guineas to the July Examination.

Major, 6½ guineas to the July Examination.

Preliminary Course (College of Preceptors) began on March 15.

Evening Classes are held on Monday, Wednesday, and Thursday,  
7 to 9 p.m.**EXAMINATION RESULTS.**—A larger number of students have passed the Pharmaceutical Examinations from the London College, since its establishment, than from any other School.

October Minor Examination, one-third the total pass.

January Minor Examination, one-fourth the total pass.

Pass Lists sent on application.

For Prospectus, &amp;c., apply to

**THE SECRETARY, LONDON COLLEGE OF CHEMISTRY,  
323 Clapham Road, LONDON, S.W.****LEEDS COLLEGE OF PHARMACY.**

Principal - - F. PILKINGTON SARGEANT.

Students at this College, the largest in Great Britain devoted solely to pharmaceutical education, have exceptional advantages. The work is conducted under the direct supervision of the Principal. The equipment is perfect and fees are moderate. There are separate rooms for lady students.

*Prospectus on application.***TERM COMMENCED JANUARY 12.  
OPTICAL CORRESPONDENCE CLASS.****NORTHERN COLLEGE OF PHARMACY.****100 & 102 BURLINGTON STREET, MANCHESTER.**

PRINCIPALS: GEO. CLAYTON, F.C.S., Ph.C., F. LAWSON, B.Sc., Ph.C.

The Thoroughness of the Preparation for the Minor was again shown by the results of the January Examination, one fourth of the total English pass being Northern College Students, whilst two-thirds passed at First attempt.

**The Next Course of Full-time Preparation commences on April 1st. Prospectus free.****BOOKS SPECIALLY WRITTEN FOR THE MINOR.**

Clayton's Qualitative Analysis, 2s. 6d. post free.	Lawson's Materia Medica, 2s. 6d. post free.
" Prescription Reading, 2s. 6d. post free.	" Volumetric Analysis, 2s. 6d. post free.
" Organic Chemistry Notes, 2s. 0d. post free.	" Examination Dispensing, 1s. 6d. post free.

The Set of Six Books will be forwarded post free for 12s. 6d. to any address.

**The Edinburgh Central School of Pharmacy  
26 CLYDE STREET, EDINBURGH.**Principal: W. BEAVERLY-COWIE, Ph.C., F.C.S.  
Assisted by Messrs. B. M. BRANDER and T. O. BROADBENT.

At the January Examinations, 66 per cent of the Candidates who entered from this School passed in the Practical, and 100 per cent. of these in the Theoretical Subjects.

The names of the successful Candidates are:—

Mr. R. H. Bennison, Middlesbro.  
Mr. J. Bowie, Edinburgh.  
Mr. F. T. Brown, London.  
Mr. P. K. Brown, Leith.  
Mr. E. W. Fair (Fairchild Scholar) East Linton.  
Mr. A. Geddes, Bridge of Allan.  
Mr. A. T. Hope, Kelso.  
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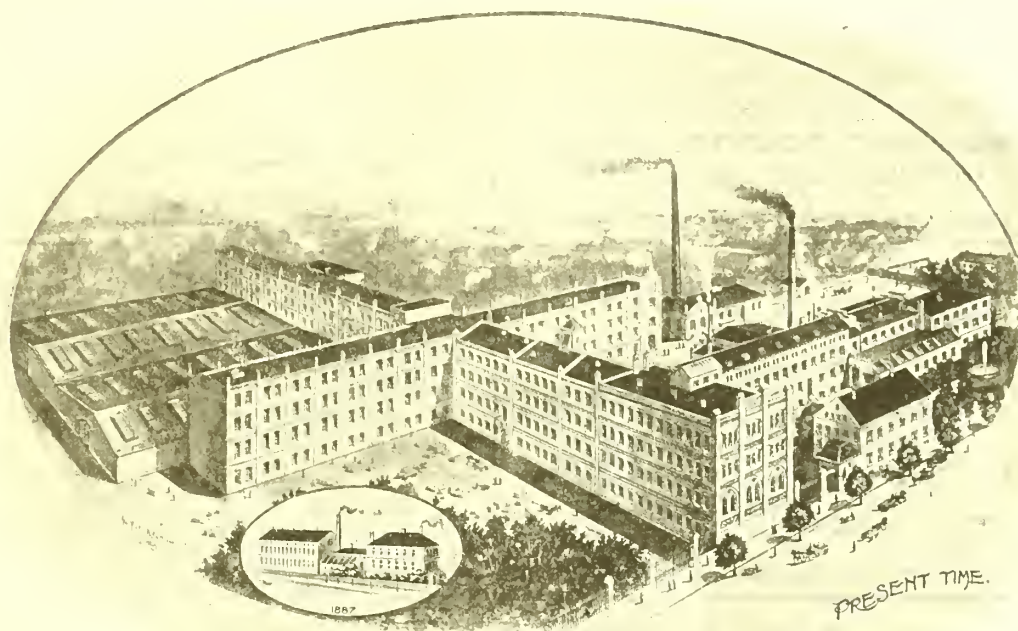
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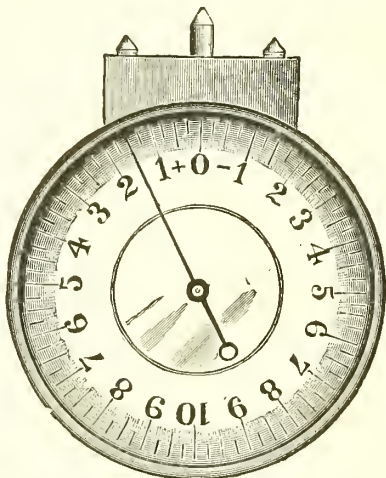
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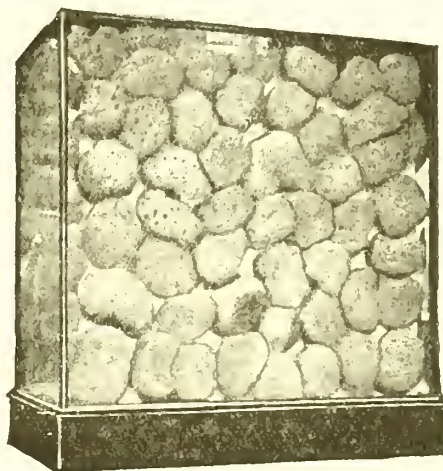
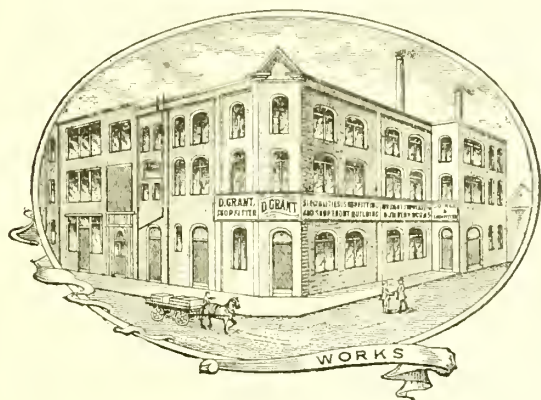
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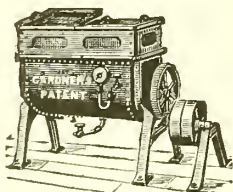
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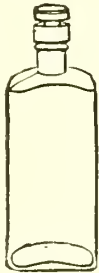
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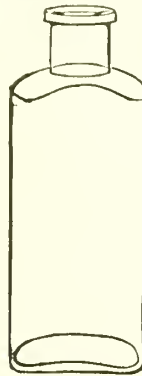
679.



680.

	Per gross	4 oz.	6 oz.	8 oz.	10 oz.
<b>679</b> Green flint, flat, fitted with plug stoppers	11/9	14/3	15/9	—	—
<b>680</b> Green flint, round, fitted with plug stoppers	—	—	—	20/-	—

### EMULSION BOTTLES.



681.



683.

	Per gross	3 oz.	4 oz.	6 oz.	8 oz.	12 oz.	16 oz.
<b>681</b> Semi-wide mouth, flat, round corner, quinine tint	—	13/6	15/6	15/9	23/-	27/-	—
<b>681.1</b> Semi-wide mouth, flat, round corner, white flint	—	14/6	17/6	18/-	25/6	34/-	—
<b>683</b> Semi-wide mouth, panelled, white flint	10/-	11/-	13/6	15/6	21/-	—	—
<b>683.1</b> Semi-wide mouth, panelled, pale green	9/-	10/-	12/6	14/-	18/9	—	—

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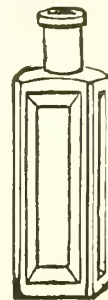
718.



717.



722.



720.

		3 oz.	4 oz.	6 oz.	8 oz.	10 oz.	12 oz.	16 oz.	20 oz.
<b>717</b> White flint, ordinary	per gross	5/6	6/-	6/-	—	6/6	7/6	—	8/6
<b>717.1</b> Green " "	"	4/9	—	5/8	—	6/3	7/-	—	7/9
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<b>719</b> White flint, heavy, round edge, stoppered	"	—	—	17/-	—	19/-	20/-	—	21/6
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<b>721</b> " " " " stoppered	"	—	—	—	20/-	—	23/-	—	30/-
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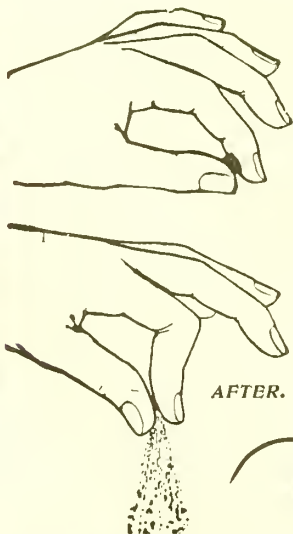
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#### FOSTERING COLONIAL TRADE.

DURING the fifty years of its existence THE CHEMIST AND DRUGGIST has done much to promote trade between Great Britain and its Colonies. Each year a special Colonial Issue is published, and this year the publication takes place on April 24. The Publisher will be glad if all firms desiring space in it will let him know their requirements before Easter. He will send to anyone who asks for it a remarkable list of the cities and towns in the Colonies and elsewhere abroad where actual paying subscribers to the *C. & D.* (i.e., potential buyers) are in business.

#### Summary.

The subjoined paragraphs give the gist of the more important matters in this issue, with the object of showing at a glance what has happened during the week. See also "Contents" in the first column.

MR. A. S. DEAN, of Keighley, is this week's Association President (p. 464).

THE new Canadian proprietary medicines regulations are epitomised on p. 449.

JOHN ISLIP, the man who sends orders without the money, is again doing it (p. 444).

MR. THOMAS RUSSELL tells this week how to write an advertising pamphlet (p. 461).

THE NEW GERMAN SPIRIT-TAX is briefly described in the Coloured Supplement, p. 67.

FURTHER particulars and a portrait of the late Mr. John Laurence, Glasgow, are given on p. 448.

AN EFFECTIVE INFLUENZA WINDOW is figured and described on p. 65 of the Coloured Supplement.

A ROYAL PARTY, including the Queen, saw Sir James Dewar's experiments with liquid air this week (p. 444).

GOODWILL is almost extinct in retail pharmacy now, for the reasons stated by Messrs. Tomlinson on p. 473.

AN unregistered person at Govan has been fined the third time for infringement of the Pharmacy Act (p. 451).

FESTIVITIES in all departments of the drug-trade continue on a lavish scale. Our reports are illustrated (p. 466).

NOTES on the Medical Congress held at Bombay last month and the Exhibition connected with it begin on p. 462.

THE CORRESPONDENCE on "Joint Proprietaries" awakens considerable interest. We print a few letters on p. 473.

IRISH POOR-LAW drug contracts are now being settled. The decisions for thirty-seven Unions are reported on p. 446.

OPTICAL ADVERTISING was the subject discussed by the British Optical Association on Wednesday evening (p. 465).

Two unregistered persons in London have been fined under the Dentists Act for advertising "painless extractions" (p. 451).

"XRAYSER" gives a word of caution about chemists being too militant in opposing licensee-applications under Section 2 of the new Act (p. 457).

TWO LICENCES under Section 2 of the Poisons and Pharmacy Act have been granted by the Galashiels Town Council. These are the first (p. 456).

AN AUSTRALIAN PHARMACEUTICAL CONFERENCE has been formed, with Mr. A. B. Chater as first President and Mr. R. C. Cowley as first secretary (p. 450).

MR. M. W. JAMES, a Llanelly chemist, was arrested last week by order of Mr. Justice Swinfen-Eady, but was discharged on Wednesday, as reported on p. 451.

MR. T. H. W. IDRIS, during his trip to South America, gathered information about pharmacy in Argentina and Brazil which is reflected in an interview reported on p. 455.

MR. JAMES GRIER considers that under Section 4 of the new Act the education of pharmacists' apprentices should be obtained in technical schools and university colleges, and that it should be properly co-ordinated (p. 466).

IN our third article regarding the Poor-law Commission's report we deal with the present method of supplying medicines to poor patients, and make suggestions as to how pharmacists might get this work to do (p. 450).

THE TERRITORIAL ARMY wants chemists as dispensers, and as they cannot be got as privates the authorities now offer the rank of honorary lieutenant to a number. Altogether fifty are wanted, and rapid promotion is promised (p. 459).

THE CERTIFICATE OF QUALIFICATION was discussed by Mr. A. E. Hobbs at Margate last week. He is strongly of opinion that the Minor and Major certificates are what is required by the new Act, in this sharing the opinion of Mr. Idris, M.P., who is responsible for the provision (p. 467).

MARKET variations are somewhat more numerous this week, but the tone remains dull. Cod-liver oil has advanced, but is easier at the close. Japanese refined camphor, lemon oil, glucose, and starch powder are all higher, and among articles we place in the firmer list are agar-agar, ammonia sulphate, bergamot oil, blue flag, senega, shellac, and taraxacum. Copper sulphate and citric acid are weaker, and codeine is 5d. lower (p. 469).

## English News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

### Brevities.

The Plymouth Public Dispensary Committee met on Wednesday, March 17, to appoint a dispenser in the room of the late Mr. G. Fairweather. There were nine candidates, and Mr. T. N. Andrews was appointed.

A runaway horse dashed through the window of the pharmacy of Mr. T. R. Perkins, chemist and druggist, at Henley-in-Arden, Birmingham, on March 15, breaking three of the five panes and causing considerable damage to the woodwork.

The Greenwich Borough Council has extended the engagement of Mr. A. E. Brown, B.Sc., F.I.C., as temporary analyst, for a further period of three months, pending the invitation of applicants for the permanent post (*C. & D.*, 1908, II., p. 923).

At a meeting at the Mansion House London, E.C., on March 17 it was resolved to raise a national fund to assist in the support of homœopathic institutions and for research on problems in homœopathy. Promises of money amounting to 7,590*l.* were given at the meeting.

Leslies, Ltd., medical-plaster makers, were the defendants in an action at the Shoreditch County Court this week, in which damages were claimed in respect to injuries that a child received while passing through a right-of-way in their property at Walthamstow. The wind blew the gates together and injured the boy's head. Judge Bray reserved his judgment as to the defendants' liability.

Mr. Chester Jones, Magistrate of the Thames Police Court, gave judgment on March 17 in an action under the Merchandise-marks Act in regard to the use of the description "Trinidad bitumen" to describe a substance which the prosecutors said was not Trinidad bitumen. The substance came from Trinidad, and the Magistrate, in dismissing the summons, said his reason for so doing was that there is not sufficient certainty attached to the term.

### Low-temperature Research.

On Monday afternoon, March 15, Queen Alexandra, the Empress Marie Féodorovna of Russia, and the Prince and Princess of Wales, accompanied by the ladies and gentlemen in attendance, visited the Royal Institution, Albemarle Street, London, W., where Professor Sir James Dewar, F.R.S., gave them an experimental demonstration of the most recent results of low-temperature research. They were received by the Duke of Northumberland, President of the Institution, and evinced much interest in Sir James Dewar's experiments, which, we understand, were completely successful.

### Spectacle-makers' Company.

Mr. Lionel Laurence has been reappointed official Inspector.

A careful revision of the recently issued examination-syllabus is being undertaken with a view to making the requirements more nearly coincide with the practical requirements of the optical industry. For this reason, and to give all candidates sufficient time to obtain the necessary instruction, the May examination has been postponed to a later date, intimation of which will be duly published in these columns.

The Trades Council which was appointed in 1907 held a meeting at the offices of the Spectacle-makers' Company on March 17. There were present Mr. G. Bennett (Stockport), Mr. F. W. Branson (Leeds), Mr. J. H. Cuff (Dover), Mr. E. Beaumont (Huddersfield), Mr. E. K. Spiegelhalter (Malton), and Mr. H. Coleman (Oxford Street, W.). Mr. Bennett was voted to the chair, Mr. J. J. Hicks being unable to attend owing to illness.

### Selfridge's

was ready on the opening-day, March 15, and Mr. Selfridge is not far wrong in his estimate that it will be visited by a million people this week. In fact, the place has been uncomfortably crowded, and a *C. & D.* representative who called on Wednesday afternoon reports that the drug-department on the ground-floor is placed between two other departments, thus forming a thoroughfare. Glass

showcases are placed round the four sides of the room, forming counters. These contain (1) indiarubber goods, surgical instruments, waterproof tourist-cases and sponge-bags, etc.; (2) perfumery and soaps, etc.; (3) ivory and tortoiseshell brushes, combs and mirrors; and (4) perfumery. Another large showcase in the centre is devoted to powderpuffs and boxes and scent-sprays. Next to this are three large wire bins of sponges. A large column runs up in the centre, and round this is a heating radiator. Under the windows facing Oxford Street, along the wall, are more showcases containing proprietary medicines, etc., and along the top of this are glass jars of cachous. There are about a dozen assistants, including four ladies.

### School-children's Spectacles.

The West Ham medical officer reports that he has examined 4,372 school-children, aged thirteen to fourteen, of whom 474 suffer from defective vision. Of this number a further examination showed that 89 require spherical lenses and 222 cylindrical glasses. On a basis of 10 per cent. of 17,675 children (the largest number whose eyesight would be tested in one year), the approximate cost of the glasses would be 316*l.* Application is to be made to the Board of Education to allow the West Ham Education Committee to provide suitable spectacles. Every endeavour will be made to obtain, in the first place, the glasses from some voluntary association or the children's parents. The latter are to be notified in cases of defective vision and urged to consult local medical practitioners.

### John Islip Once More.

Chemists throughout the country are familiar with the doings of a man named John Islip, who has been in the habit of sending orders to tradesmen for many years past and receiving the goods without paying the money. He has recently sent a letter to a butcher in Cupar, Fife, as follows:

45 The Avenue,  
West Ealing, Middlesex.  
March 9, 1909.

Sir,—Please send me per parcel post or otherwise about 9 or 10 lb. good Aberdeen beef, sirloin or ribs. If you treat me well, a weekly order shall follow.—Yours truly,

J. ISLIP.

We may recall the fact that Islip is an undischarged bankrupt and has served terms of imprisonment for obtaining goods on credit without disclosing to the sellers that he is an undischarged bankrupt. The above letter is the usual form in which he orders perfumes and other chemists' goods.

### Sale of Food and Drugs Acts.

The Monmouthshire public analyst examined four samples of camphorated oil during last year, of which three were from 4 to 11.2 per cent. deficient in camphor.

The Wandsworth analyst (Dr. J. Muter) reports that of two samples of olive oil, one proved to be cotton-seed oil, while one sample of malt-vinegar was examined and found to contain 3.71 per cent. of acetic acid and 96.2 per cent. of water and colouring-matter. Proceedings are to be taken regarding the two adulterated samples.

### New Magistrates.

The following gentlemen have been added to the Commission of the Peace:

Mr. H. F. Cooke, chemist and druggist, ex-President of the Cambridge Pharmaceutical Association, 83 Victoria Road, New Chesterton, for the county of Cambridge.

Mr. Arthur Pain, pharmaceutical chemist, Knapton House, Felixstowe; Mr. Edward H. Fison (of Messrs. Joseph Fison & Co., chemical-manufacturers, Ipswich); and Mr. Joshua C. Ody, F.I.C. (chief chemist to the New Explosives Co., Stowmarket), for East Suffolk.

### Thefts.

The Longroyd Bridge establishment of Messrs. Needham, Ltd., at Huddersfield was broken into on March 12. The loose change, amounting to 10*s.*, was stolen.

At the North London Sessions on March 11, Thomas O'Connor (30), labourer, was sentenced to eighteen months' imprisonment for stealing, among other things, thirty-six anti-rheumatic rings from Mr. B. Richards, chemist, 404 Essex Road, London, N.

At Whitehaven on March 8, a boy named Beck was fined 5*s.* for breaking into the pharmacy of Mr. William Hood



Wandless, chemist and druggist, at 83 Duke Street, and stealing 5s. Beck was formerly errand-boy with Mr. Wandless. Two other lads, who participated in the robbery, were bound over.

#### Contracts.

Whitehaven Town Council. The Sanitas Co., for disinfectants.

The Bethnal Green Guardians. Messrs. Corbyn, Stacey & Co., Ltd., for drugs.

Bridge (Kent) Guardians.—Messrs. Bing & Son, Canterbury, for the supply of drugs.

Hemel Hempstead Town Council.—The Sanitas Co., for the annual supply of disinfectants.

Thanet Joint Hospital Board. Messrs. Horrell & Co., Broadstairs, appointed chemists for a year.

Sudbury Guardians.—Mr. S. H. Brampton, chemist and druggist, 13 Market Hill, Sudbury, for drugs.

Cranbrook Guardians.—The Hospital and General Medical Supply Co., London, for medical appliances.

North Staffs Joint Smallpox Hospital Board.—Messrs. J. D. Furnival & Co., Hanley, for the supply of drugs.

Richmond-on-Thames Guardians.—Messrs. Burgoyne, Burbidges & Co., for the supply of drugs at 13*l.* 2*s.* 11*d.*

Yeovil Town Council.—The Killgerm Co., Cleckheaton, and Messrs. Davis, Goodall & Co., Newcastle, for disinfectants.

High Wycombe Guardians.—Messrs. Young & Co., High Wycombe, for the supply of cod-liver oil, quinine, and disinfectants.

North Staffordshire Infirmary.—Mr. W. B. Allison, chemist and druggist, 1 Liverpool Road, Stoke-on-Trent, for cod liver oil.

Dover Guardians.—Mr. A. L. Thompson, chemist and druggist, Snargate Street, Dover, for chemicals at 37½ per cent. below schedule prices.

Woodford Urban Council.—Messrs. Adeock, Easton & Co., for disinfecting-fluid at 7½*d.* per gal. and disinfectant powder at 1*l.* 19*s.* 11*d.* per ton.

Milton Regis Urban Council.—Mr. H. T. Maundrell, chemist and druggist, 2 and 4 King Street, Milton-next-Sittingbourne, for disinfectants.

Rye Guardians.—Messrs. Vennall & Co., Rye, Jeyes' disinfecting-fluid at 23*s.* 6*d.* per 6-gal. drum, Jeyes' disinfecting-soap at 21*s.* 6*d.* per cwt.

Stroud (Kent) Guardians.—Messrs. F. C. Calvert & Co., Manchester, for disinfecting fluid at 5*s.* 6*d.* per dozen pint bottles; the Sanitas Co., for disinfecting-fluid at 9*s.* per dozen pint bottles.

Worcester Infirmary.—Messrs. Anderson & Virgo, chemists, Foregate, Worcester, for the year's supply of trusses, etc., and Mr. C. A. Steward, chemist and druggist, 27 High Street, for the drug-supply during the ensuing year.

Southwark Borough Council.—For the annual disinfectant supplies: Burt, Boulton & Haywood, Ltd., for carbolic acid at 1*l.* 16*s.* 3*d.* per 40-gal. cask; Snowdon, Sons & Co., Ltd., for carbolic powder at 2*l.* 8*s.* 6*d.* per ton; Middleton Bros., for chloros at 9*s.* per 5-gal. jar.

West Ham Education Committee.—For the annual supply of disinfectants: Newton, Chambers & Co., for izal (co-efficient 17) at 3*s.* 9*d.* per gal.; Jeyes' Sanitary Compounds Co., for cyllin (co-efficient 18) at 4*s.* per gal.; the Sanitas Co., for okol (co-efficient 20) at 3*s.* per gal.

London County Council.—For annual supplies to all asylums: Messrs. Corbyn, Stacey & Co., Ltd., for drugs at 47½ per cent. discount; Messrs. S. Maw, Son & Sons, for druggists' sundries at 10 per cent. discount; Messrs. Houghtons, Ltd., for photographic goods at 20 to 33½ per cent. discount; Messrs. J. C. & J. Field, Ltd., for soap at 3.49*l.* 6*s.* 3*d.*; the Nestlé and Anglo-Swiss Condensed Milk Co., for condensed milk at 269*l.* 2*s.* 6*d.*; Messrs. L. Rose & Co., Ltd., for lime-juice at 351*l.* 4*s.* 5*d.*; Bovril, Ltd., for extract of meat at 290*l.* 5*s.*; Messrs. Beaufoy & Co., for vinegar at 89*l.* 1*s.* 3*d.* For the supply of vinegar to the Stores Committee during the year: Messrs. H. Sarson & Sons, Ltd., at 27*l.*

Tottenham Borough Council.—For annual supplies: The Sanitas Co., for Sanitas goods (powder at 6*s.* 6*d.* per cwt.,

fluid at 5*s.* 2*d.* per gal., oil at 10*s.* per gal., emulsion at 8*s.* per gal., creole at 3*s.* 6*d.* per gal.) and liquid sulphur dioxide (12-oz. at 10*s.* per doz. and 20 oz. at 12*s.* per doz.); Messrs. Burt, Boulton & Haywood, Ltd., for carbolic acid at 1*s.* per gal., carbolic powder at 3*s.* 3*d.* per cwt., carbolated cresosote at 6½*d.* per gal., formalin at 5*s.* per gal., formalin tablets at 3*s.* 5*d.* per lb., sulphur candles at 20*s.* per cwt.; Messrs. G. L. Wilson & Co., for cyllin at 3*l.* 9*d.* per gal.; Messrs. Newton, Chambers & Co., for izal at 3*s.* 6*d.* per gal.

#### Wine and Spirit Licences.

Off wine-licences have been granted to the following on giving an undertaking to sell medicated wines only:

Mr. W. E. Kirkman, chemist and druggist, 5 Bank Terrace, New Milton, Hants.

Mr. Dennis V. Scott, drug store proprietor, 87 Clarence Street, York.

Mr. John R. Parker, chemist and druggist, 3 Blossom Street, York.

The wine licence attached to The Drug-stores, 10 Church Street, Malvern, has been transferred from Mr. B. Armstrong to Mr. Barrett.

The wine licence of Taylor's Drug-stores, Kendal, has been transferred to Mr. Chew, the newly appointed manager.

At Rochester on March 9, an application by the Timothy White Co., Ltd., for a wine licence for the Gillingham branch was held over.

At the adjourned Chorley Licensing Sessions on March 10, Mr. Wm. Henry Cross, chemist and druggist, Coppull, applied for an off-licence to sell wines and spirits. Applicant's solicitor now applied for a wine-licence only, and gave an undertaking not to deal in or sell intoxicating wines except those recommended by the medical fraternity. The application was refused.

#### "Professor" and the Coroner.

At the Kidegrove Coroner's Court last week, an inquest was held regarding the death of Thomas Neville (49), collier. The widow deposed that on the day her husband died she went to man, whom she thought to be a doctor, because he was "cheap." The "professor," however, only looked at deceased's tongue, and gave a bottle of medicine for which 1*s.* 6*d.* was charged. John Delves, who described himself as a "teeth-extractor and herb-dealer," said that he called himself "Professor Delves" although he possessed no qualifications. Deceased complained to him of a "thorough cold and of pains across the stomach." Witness attributed the latter to wind caused by a cold. He asked deceased if he had seen a doctor. Deceased replied in the negative, and at his request witness sent him a bottle of cough-mixture containing aniseed, chlorodyne, and white-wine vinegar. Witness admitted that chlorodyne was harmful to anyone suffering from pneumonia, but stated that the quantity in the mixture was exceedingly small. In reply to the Coroner, Delves said he did not hold himself out to be a doctor, but kept the medicine for himself. He sold "stuff" for skin-diseases, but it was not once in six months that he gave a bottle of medicine like this.

The Coroner: It is not once in six months that a case like this comes before the public.

Witness: Well, there was nothing dangerous with the man.

The Coroner (sharply): How do you know, sir? One of these men sitting round the table is just as likely to diagnose correctly about a disease as you are. You know nothing about it.

Dr. Furness stated that death was due to acute pneumonia and heart-failure. Chlorodyne was certainly the most dangerous thing that could be given.

In summing up, the Coroner said that, in his opinion, Delves went to the house for the specific purpose of attending the deceased. That sort of thing wanted stopping, and if he could take any action in the matter he would certainly do so. It was a case which wanted ventilating, however, and the more such cases were ventilated the better it would be for the poorer part of the public. (Hear, hear.) The jury, on the advice of the Coroner, returned a verdict of "Death from natural causes."

## Birmingham Notes.

Messrs. Needhams are advertising for offices to be used as store rooms on account of the lack of space in their new shop in New Street.

The Household Supply Stores, Corporation Street, have an exhibition in their window showing how cod-liver oil is obtained. It is an effective advertisement, and has attracted crowds daily.

The son of Mr. Winfield, chemist, Solihull, has secured an exhibition at Downing College, Cambridge, as the result of an open competitive examination. He is only seventeen years of age, and captain of the Solihull Grammar School.

An important conference was held last week in Birmingham in the matter of the hospital ticket system. It is suggested that all such benefits should be pooled, and whenever surgical or medical aid is required payment in a smaller or greater degree should be insisted upon according to the applicant's needs and means. All the hospitals and aid societies were represented at the conference.

Mr. William A. Cadbury returned to England last week from his five months' journey in the Portuguese islands of S. Thomé and Príncipe, and to the mainland of Angola, which was undertaken to ascertain to what extent the promises of reform made to him at Lisbon in December 1907, by the Portuguese Government, had been carried out. Mr. Cadbury has found that no adequate steps have yet been taken to remedy the evils proved to exist. His report has been carefully considered by Messrs. Cadbury, Bros., Ltd., Bournville; Messrs. J. S. Fry & Sons, Ltd., Bristol; and Messrs. Rowntree & Co., Ltd., York, on whose behalf he went out, with the result that they have decided not to make any further purchases of the cocoa produced in the islands of S. Thomé and Príncipe.

## Manchester Notes.

Two chemists' businesses in South-West Manchester have changed hands recently—viz., Mr. Layland's, Oxford Road, and Mr. Haden's, Moss Lane East.

A "Dr. Macaura" is creating quite a sensation in Manchester with his wonderful cures by a machine, which he calls "a little steel doctor," and which is similar in construction to a vibrator. Many chemists are taking advantage of the craze and are exhibiting large window-bills and machines in their windows. One city firm have a window full of a well-known make, with offers of a free trial.

Influenza is raging in Manchester, many deaths being attributable to it. Large posters have been issued by Dr. Niven, medical officer of health, pointing out the symptoms of the disease and how to combat it. Many important city men are laid up with the ailment, and at a great many large warehouses numbers of men are off work through it. In consequence chemists are finding business much better, and are making the most of the opportunity.

## Sheffield Notes.

The stock-in-trade and fixtures of Mr. J. M. Furness's shop at 137 Fitzwilliam Street are to be offered for sale by auction on March 22.

Burglars bestowed their unwelcome attentions upon Mr. G. T. W. Newsholme's pharmacy at 27 High Street on March 13. Gaining entrance by forcing a window near the private office, the invaders made determined but unsuccessful efforts to rifle the safe. However, they smashed open the drawers in the office, scattering the papers broadcast, and on visiting the shop secured 5s. 5d. in coppers from the till as the sole reward for their trouble.

## Football.

Legat's v. Moscrop's.—The return engagement between the employes of Mr. W. H. Legat and Messrs. Thos. Moscrop, manufacturing chemists, Bolton, took place on March 13. Soon after the kick-off Legat's asserted themselves, Merrill opening the score. Then, with Legat's almost monopolising the play, Quigley and Smith added to the score before the interval. The second half saw Moscrop's in the ascendant, but their forwards proved but poor marksmen. A. S. Holmes scored for Moscrop's and Smith for Legat's, the game ending in favour of Legat's by four goals to one. A pleasant game was marred after its conclusion by the discovery that thieves had purloined two sums of 2l. and 18s. from the players' clothes in the dressing-room.

## Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

## Drug and Medical Appliances Contracts.

The Irish Boards of Guardians are considering the annual tenders for the supply of drugs and medical appliances to the workhouses and dispensaries. In most cases the lowest tenders have been accepted, but there are some instances where the lowest has not been accepted on the score of convenience or national preference. Some of these cases will probably be revised by the Local Government Board, who have the duty entrusted to them of revising the Guardians' contracts in return for a rebate from the Treasury funds. The following are some of the contracts that have been made during the past week :—

	Medicines	Appliances
Abbeyleix ...	J. Clarke & Co. (Dublin), 33½%	P. N. White (Sligo), 38%
Armagh ...	J. Clarke & Co. (Belfast), 35½%	Connor & Son (Newry), 40%
Athlone ...	Boileau & Boyd (Dublin), 33½%	Same contractors, 37½%
Ballymoney ...	Summer & Co. (Liverpool), 37%	Same contractors, 38½%
Cashel ...	J. Clarke & Co. (Dublin), 34%	P. N. White
Castlebar ...	Summer & Co., 33½%	Adamson & Co. (Ballina), 37½%
Castlereagh ...	Boileau & Boyd, 33½%	P. N. White, 40½%
Cavan ...	Summer & Co., 35%	P. N. White, 40½%
Claremorris ...	—	P. N. White, 40½%
Clores ...	J. Clarke & Co., 34%	Connor & Son, 37½%
Cookstown ...	J. Clarke & Co. (Belfast)	—
Cork ...	Cork Chemical & Drug Co., 33½%	Same contractors, 37½%
Derry ...	—	J. Clarke & Co. (Belfast), 39½%
Dromore West	To be re-advertised	Adamson & Co., 39½%
Dungannon ..	Summer & Co. (Liverpool), 37½%	Connor & Son (Newry), 40%
Galway ...	J. Clarke & Co. (Dublin)	Same contractors
Gorey ...	J. Clarke & Co., 34½%	Same contractors, 37½%
Kanturk ...	J. Clarke & Co. (Dublin), 31½%	Same contractors, 37½%
Kilkenny ...	J. Clarke & Co., 34½%	P. N. White, 38%
Kilrush ...	J. Clarke & Co., 36½%	Same contractors
Kinsale ...	Boileau & Boyd, 33½%	P. N. White, 38%
Macroom ...	Summer & Co., 35%	P. N. White
Mallow ...	J. Clarke & Co. (Dublin), 34%	Same contractors
Middleton ...	Summer & Co., 33½%	Same contractors, 37½%
Mohill ...	A. Burns (Mohill), 33½%	P. N. White, 38½%
Monaghan ...	J. Clarke & Co. (Belfast), 35%	E. J. Howley (Sligo), 39%
Mountmellick	J. Clarke & Co. (Dublin), 34%	P. N. White, 38½%
Newry ...	Summer & Co., 37½%	Connor & Son, 40%
New Ross ...	—	J. Clarke & Co. (Dublin),
Oldeastle ...	J. Clarke & Co. (Dublin)	Same contractors
Rathdown ...	Clarke & Co. (Dublin), 39%	Same contractors, 37½%
Rosecommon ...	Clarke & Co.	P. N. White
Sligo ...	Clarke & Co. (Dublin), 34%	P. N. White, 38½%
Tipperary ...	Clarke & Co., 36%	Same contractors, 37½%
Tobereury ...	H. Boyers (Sligo), 33½%	P. N. White, 39½%
Trim ...	—	—
Wexford ...	Clarke & Co., 34½%	P. N. White, 39%

## Unreturned Empties.

In reply to a complaint from Messrs. Boileau & Boyd that empties valued at 5l. 18s. 9d. have not been returned, the Guardians of the Dundalk Union were informed by Dr. Lavery that a barrel of empties has been awaiting removal for six months.



**Analyst's Appointment.**

The County Council of Armagh have appointed Mr. J. Harold Totton, B.A., B.Sc., A.I.C., Belfast, to be public analyst for the county.

**Charge of inciting to Poison.**

The second trial of John Tees for inciting Catherine Buchanan to poison her husband with strychnine has taken place at Donegal this week. The jury, after considering the evidence, again disagreed.

**Police Charge.**

In the Belfast Police Court on March 11, Francis Hall, employed by Messrs. W. H. R. Orr & Co., druggists, was charged with driving a horse and van to the danger of the public. The case was dismissed.

**Sale of S.V.M.**

Special restrictions are, it is stated, about to be put on the sale of methylated spirit in Ireland, on account of the growing tendency to use the spirit as a beverage. The Privy Council has the matter in hand, and reports are being prepared for the information of the Chancellor of the Exchequer.

**Hunt & Co.**

The old-established drug and chemical business of Messrs. Hunt & Co., Bride Street, Dublin, is to be disposed of by auction on March 23, by order of the Official Receiver. The firm has been in existence for over 100 years. The business was formerly carried on by Messrs. Leslie & Co., and was regarded as one of the most prosperous pharmaceutical supply houses in Ireland. At a later stage the property was acquired by Messrs. Peacocke, and some five years ago transferred to Bride Street, owing to disturbance by the authorities of Trinity College. It will be remembered that recently the concern went into liquidation, and the break-up auction about to be held is the last scene in the life of one of the most ancient landmarks in Dublin commercial circles.

**Basic Slag.**

At Dublin Southern Police Court on March 13, Messrs. Parker & Co., Waltham Cross, were charged under the Fertilisers and Feeding Stuffs Act with supplying basic slag without an invoice setting forth the percentages of insoluble and soluble phosphate in the consignment. A second summons referred to an alleged misdescription of the fertiliser. Certificates were put in from Sir Chas. Cameron and Somerset House Laboratory. The defendants stated that the article was as good as any slag on the market, and that the real value of basic slag depends on the quantity of magnesia and lime it contains. The Magistrate dismissed both summonses, and allowed the defendants ten guineas costs.

**Filling Branded Bottles.**

The following notice is being issued by the Belfast Bottle Exchange :

It has been brought to our notice that it is becoming the custom of chemists, druggists, and other trades to use mineral-water and "black" bottles for sending out various goods, such as turpentine.

We hereby caution you against filling or using for any purpose any bottles, syphons, boxes, cases, or packages of any description bearing the embossed or branded names, trade-marks, or trade description of any of the members of this Association, and in the event of your doing so we will, if apprised of the fact of such use, proceed against you under the provisions of the Merchandise Marks Act of 1887 or otherwise as we may be advised, and will rely on this notice in support thereof.

Mr. J. D. Carse, who calls our attention to this, says that a similar notice was sent out by the Society on a previous occasion, when he drew attention to a decision of a Bench of Magistrates on this point which was reported in the *C. & D.* at the time. It was decided that the bottle in question was the property of the customer for the time being, and the chemist or druggist, in putting into it what he was asked for, in no way infringed or broke the law, the responsibility, if any, resting with the customer. Mr. Carse is bringing the matter before the Chemists and Druggists' Society of Ireland.

THE CHEMISTS' AND DRUGGISTS' DIARY, 1909, is not only a diary, but a book of much useful information upon topics of importance to the retail druggist as well.—*National Druggist*.

**Scots News.**

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

**Aberdeen and the North.**

Ex Provost W. Alexander, chemist, Banff, has retired from the chairmanship of the Banff School Board.

Mr. W. W. Hunter, chemist, Mid Street, Fraserburgh, has purchased the corner property at the junction of Mid Street and Cross Street for 550/.

Messrs. Mortimer & Dunn, chemist, Union Street, Aberdeen, announce an "alteration sale," at which photographic goods, toilet requisites, etc., are being offered at reduced rates.

The provincial order for establishing a technical college in Aberdeen has now been finally adjusted, with a view to being laid before Parliament for approval. The scheme embraces a pharmaceutical department.

The local "Evening Gazette" published last week an extract from a letter by Mr. Alexander G. Lunan, Ph.C. (Bathgate & Co., Calcutta), to his father, Mr. Alexander Lunan, chemist and druggist, Banchoory, which deals with the recent agitation in India from an onlooker's point of view. The Babu is described as a fairly well built man, but he is of a class who early in life become monstrously fat. Under British rule some have become wealthy and well educated, but the Babu does not like manual labour, so that the chemists, compounders, carpenters, etc., are drawn from the Mohammedans and up country Hindus, while the clerks are Bengalis. The last-named have been seething with discontent for some time, and the better-educated Bengali is suffering from swelled head, which is the real root of all the sedition and murder.

**Dundee.**

The old-established business of Messrs. James Hardie & Son, pharmacists, 68 High Street, has been transferred by Mr. James Miller Hardie, the proprietor, to Mr. Henry James Hunt, who has been connected with the business as apprentice, assistant, and manager for over twenty years. Mr. Hardie's retirement was not unexpected. He is a man of means, is an enthusiastic motorist, is fond of travel, and, being in his prime, may be expected to enjoy his leisure. During the past few years he has left the management of the business largely to Mr. Hunt, who is well known to the medical profession and public.

**Edinburgh.**

Mr. Claude F. Henry, chemist, Brandon Terrace, has had a rather severe attack of influenza with sequelae, but is improving.

In the Court of Session, Edinburgh, last week, the issues in the action by Lever Bros., Ltd., against the "Daily Record," Glasgow, for 50,000/ damages for libel came before Lord Guthrie, who approved of one of the issues to go before the jury.

**Fifehire.**

Mr. John Carmichael, chemist and druggist, 71 High Street, Leslie, is taking over the bookelling and stationery business of Miss E. Goodall, of that town, who is retiring.

Mr. W. T. Louden, chemist and druggist, 18 Bridge Street, Dunfermline, has been nominated for election to the Dunfermline Burgh School Board, Mr. David Gilmour, Ph.C., having retired.

A special committee of the Dunfermline Medical Attendance Society reports that code prescriptions are a matter between patient and practitioner rather than one for the Society to deal with. It was stated at a meeting held last week that all the doctors were quite willing to write their prescriptions so that they could be dispensed by any chemist, if patients so insist.

Mr. David Gilmour, in resigning his position as Treasurer of the Dunfermline Burgh School Board, said that he regretted he could not offer himself for re-election at the present time, for he had enjoyed the work immensely. He had taken in hand another bit of work concerning his own craft, and he felt that he would rather try to do one little bit of work well than two imperfectly.

**Glasgow.**

Spring requisites are beginning to be exhibited in the chemists' windows.

The Dumbarton Orchestral and Operatic Society staged Gilbert and Sullivan's comic opera "The Yeomen of the Guard" on March 10, and the "Dumbarton Leader" states that it was a very capable production. Concerning the Society's President, Mr. D. G. MacKenzie, chemist and druggist, who took the part of Wilfred Shadbolt, our contemporary says: "Wilfred Shadbolt was also a very fine study. He played the stern jailor to the life, and his make-up was especially effective. He and his 'assistant tormentor' were enough to add terrors to any jail."

Professor G. G. Henderson, M.A., D.Sc., read a paper on "Some Synthetic Medicines" to the Andersonian Chemical Society on March 12. In the course of it he said that many of the researches carried out in the laboratories are stated by some people to be of no value because they give no product of immediate commercial value. To that he replied that a number of valuable medicines had been so discovered which were prepared first as interesting products, not as medicines, their use as such being found out later. He instanced acetanilide, phenacetin, antipyrin, sulphonal, trional, tetronal, veronal, adrenaline, and other established new remedies.

The late Mr. J. Laurence, whose death we recorded last week (p. 402), was one of the few survivors of the earlier generation of Scottish pharmacists. After serving his apprenticeship at Montrose, and while waiting for an

opening, he found temporary occupation as a professional photographer, the art of photographic portraiture being then (1853) in its infancy. His success was such that he was wont to say that "if drugs failed he could always fall back on photography." When an assistant with Messrs. Duncan & Flockhart, Edinburgh, between 1854 and 1864, he followed a local custom by attending University classes, and was awarded a diploma in midwifery by the late Sir



MR. J. LAURENCE.

J. Y. Simpson. As a native of Brechin, Mr. Laurence took a warm interest in the Glasgow Brechin Association, of which he was for some time President—an office which he also filled in the Angus and Mearns Benevolent Association. Although he did not play an active part in local pharmaceutical affairs, Mr. Laurence was always a loyal supporter of the Glasgow Association and commanded the confidence and esteem of all his professional brethren who knew him, as also of a wide business *clientèle*. In private life Mr. Laurence was one of the most estimable and engaging of men. His leisure time recreations included the collecting of old books, pictures, cameras, lenses, and musical instruments, especially old violins, of which he was a connoisseur. At the funeral, on March 11, the following pharmacists were present: Messrs. J. E. Black, W. Forgie, J. P. Gilmour (President Glasgow and West of Scotland Chemists' Association), S. Lawrence (Oban), P. S. Macdonald, J. B. McVittae, and W. W. Wilson.

**Edinburgh Pharmacy Athletic Club.**

The annual general meeting of this club was held at 36 York Place, Edinburgh, on March 15, Mr. George Hadden presiding. The Secretary's report showed a record membership of 170, while the Treasurer's credit balance amounted to 157. 19s. 1d. The golf, bowling, and billiards had been well patronised, resulting in keen competitions, and the football eleven inaugurated during the year has been a great success. The election of office-bearers resulted as follows: Hon. President, Mr. J. Rutherford Hill; President, Mr. George Hadden; Vice-President, Mr. J. H. Taylor; Hon. Secretary, Mr. W. H. Chambers; Assistant-Secretary, Mr. A. Mallen; Hon. Treasurer, Mr. F. Clements; committee, Messrs. J.

Cochrane, J. P. Gibb, J. Hossack, J. Keddie, J. Manson, J. Nesbit, and E. O. Rowland. The retiring Hon. Secretary, Mr. J. Hossack, was accorded a vote of thanks for his successful efforts on behalf of the club. A donation of one guinea was voted to the Pharmaceutical Benevolent Fund.

**Welsh News.**

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

**Contract.**

The tender of Mr. D. Hughes, chemist and druggist, Mold, has been accepted for the supply of drugs, etc., to the Holywell workhouse surgery.

**Chemist's Arrest.**

Mr. Morgan W. James, chemist, Llanely, was arrested there on Thursday, March 11, and conveyed to Holloway Gaol, where he remained until Wednesday of this week, when, by special arrangement, he appeared before Mr. Justice Swinfen Eady, and was discharged, as reported on p. 451.

**Sheep-dipping.**

An area in the administrative county of Montgomery comprising the petty sessional divisions of Machynlleth and Llanidloes Upper, and the parishes of Llanlughan, Llanerfyl, Garthbeibio, Llangadfan, and Llanwddyn, is gazetted by order of the Board of Agriculture and Fisheries as being infested with sheep-scab.

**Curios.**

Mr. R. Drane, chemist, has received the thanks of the Cardiff Museum Committee, for the presentation of five medallions of Leeds Basaltes ware. The Curator informed the Committee that Mr. Drane desired to have returned to him an old English stoneware mug which he supplied in 1903 upon the ground that it had been declared to be false, but the Curator thought there was no reason to doubt the genuineness of the mug, and felt that it should be retained.

**Extracting Teeth.**

At the Bridgend County Court last week, Coopers, Ltd., carrying on a dental business at Cardiff, were ordered to pay 40% with costs, to the wife of an Ogmere Vale collier, named Bryant, as damages for unskilful treatment. Dr. Bourke, of London, deposed that when he attended plaintiff, who had had six teeth extracted by the defendants, her mouth was in a fearfully lacerated condition resulting from undue violence. It was also stated that an overdose of cocaine had been injected, and that in consequence plaintiff's left hand was partially paralysed and her speech defective.

**French News.**

(From the "C. & D." Paris Correspondent.)

**NOMINATIONS.**—M. Valeur and M. Bougault have been nominated assistant professors of chemistry at the Paris Superior School of Pharmacy. The former is a pharmacist of the Seine Department Asylum, the latter of a Paris hospital.

**THE WHITE CROSS CONGRESS.**—The Organising Committee of the second International "White Cross" Congress has issued a brochure in which the objects of those meetings are clearly and succinctly set forth. The leading idea is to "assure the absolute sincerity of commercial transactions" by defining the "genuine commercial article."

**CODEx CRITICISM.**—In modest imitation of Julius Caesar, who wrote "Commentaries" on his own campaigns, M. Yvon, the distinguished pharmacist who sat in the last French Codex Revision Committee, has published a 200-page volume of "Pharmaceutical Commentaries on the 1908 Codex." It forms a useful supplement to the new work.

**CURE OF SOULS AND BODIES.**—An accusation of illegal practice of medicine and pharmacy has been lodged against



M. l'abbé Bourcier, Curé de Cergy, a village near Pontise, by one of his parishioners. The curé is a worthy man, and it is possible that he actually distributed and possibly compounded some simple remedies; but the action of the parishioner has raised a tempest of criticism in the village.

**INCOME-TAX IN FRANCE.** At the meetings of several Pharmaceutical Associations fears have been expressed that the proposed income tax voted last week in the Chamber of Deputies will be specially prejudicial or at least inconvenient to pharmacists. The highly exaggerated ideas of the pharmacists' profits current among the general public would, it is apprehended, almost always expose pharmacists to be too highly rated, and thus compelled to produce their books and "violate professional secrecy."

**RECEIPT-STAMPS.**—The Parliamentary Committee on Commerce and Industry, M. Astier (ex pharmacist) in the chair, received a deputation last week in regard to a new and rather strict interpretation as to the use of receipt-stamps. The authorities have lately instituted many prosecutions for giving unstamped receipts for sums over 10f. (8s.). The Committee was apparently impressed with the arguments of the petitioners, and empowered its President (M. Astier) to lay the facts before the Minister of Finances, with a view to a fairer interpretation of the Act, and the remittance of sundry fines already imposed.

**FOREIGN DENTISTS.**—The severity of the dental laws on foreigners practising dentistry in France has been pointed out more than once. The principal grievance is that before being allowed to practise here a foreign dentist must produce or obtain a general French scholastic diploma, apart from the proof of his technical qualifications. In a recent case a special ministerial decree was obtained to waive this requirement. It is suggested that if American dentists resisted the scholastic requirement and submitted a test-case to the Conseil d'Etat, the decrees published by the Ministry of Public Instruction would have to be annulled as being contrary to the law.

**CODEx PROBLEMS.**—Some interesting problems have arisen over the publication of the new edition of the Codex, owing to the pronouncement that medicaments from any edition of the Codex may be regarded in a sense as official. The formula for camphorated oil, for instance, mentions olive oil as the menstruum, but in another place poppy oil is mentioned as an alternative to olive oil in this preparation. "In preparing syrup of cherry laurel, the formula for which has been omitted from the 1908 Codex, must one use the cherry-laurel water of the 1908 Codex, which has been doubled in strength?" is a query which was asked at a meeting of the Lyons Society of Pharmacy. The meeting decided that the 1904 cherry-laurel water must be used for the syrup.

## Canadian News.

(From the "C. & D." Correspondent.)

**VEINS OF ORE** which will yield quicksilver have been found near Prince Albert, Saskatchewan.

**PERFUMES.**—At the last meeting of the College of Pharmacy in Montreal, Professor Morrison, chemist to Lymans, Ltd., gave a lecture on "Perfumes, Natural and Artificial." He showed samples of the real and artificial flower perfumes.

**"MERRY WIDOW" PERFUME.**—On behalf of the Dr. Leduc Drug Co., Montreal, Messrs. Desaulniers & Vallee have applied for a writ of injunction in the Practice Court directed against the John T. Lyons Co., to restrain them from selling the "Merry Widow" perfume. The Lyons company offer this perfume for sale at 99c., while the Leduc company do not sell it for less than \$1.00. The latter company claim that the "Merry Widow" brand is registered by them at Ottawa, and that the respondents have no right to offer a perfume, which is not the same as sold by the petitioners, under the name of "Merry Widow."

**AGRICULTURAL POISONS.**—An Act has been passed in British Columbia which allows the sale of certain agricultural and horticultural poisons by persons other than qualified chemists. The Act is on the same lines as

Section 2 of the British Poisons and Pharmacy Act, except that the poisonous substance allowed to be sold are "arseniate of lead, Paris green, London purple, hellebore, tobacco extract, and alphanes of copper and iron." The Bill was read a final time on February 10 and received the Royal Assent before the end of the month. Regulations for the granting of licences have to be framed, and it is anticipated that these will follow the line of those drafted by the Privy Council for Great Britain.

**PROPRIETARY MEDICINES REGULATIONS.**—An Order in Council, dated February 19, sets forth the regulations of the Patent Medicines Act, respecting the sale of any patent or proprietary medicine in stock at the time the Act comes into force, April 1, 1909. The regulations are: All the patent or proprietary medicines in stock, in the hands of manufacturers thereof or dealers therein, at the time the Act above referred to comes into force, shall have attached thereto a special stamp provided therefor by the Department of Inland Revenue. The charge for the stamps shall be at the rate of 2c. per 100 stamps. These stamps are to be attached to the wrapper of each individual bottle, box, or other package, in such manner as to seal the package. When the bottle, box, or package is not covered by a wrapper, the stamp is to be attached in such manner that the said bottle, box, or package cannot be opened without breaking the stamp. No medicines containing cocaine or any of its derivatives or preparations shall have attached thereto the stamps herein referred to. Under the provisions of Section 7 of the Act, the manufacture, importation, and sale of all such medicines are, after April 1, 1909, prohibited.

## South African News.

(From the "C. & D." Correspondents.)

### Cape Colony.

**A DOCTOR-CHEMIST.**—Mr. Cornelius Hilbrand Derksen, M.B., B.S. (Edin.), has been licensed to practise in Cape Colony as a chemist and druggist.

**OPIMUM IMPORTATION ACT.**—In the case of Alfred Basking, who was charged at Cape Town with opium smuggling and committed to the sessions (*C. & D.*, February 15, p. 252), it is officially notified that the Attorney General declines to prosecute.

**PERSONAL.**—Mr. J. Hull (Messrs. Parke, Davis & Co.) had just arrived in Cape Town from an up-country trip when the mail left. He reports brisk business in the Transvaal and the Orange River Colony. Mr. W. Elford Rogers (the South African representative for Messrs. Oppenheimer, Son & Co.) left Cape Town by the *Carebrooke Castle* for Eastern ports on his way to Natal and the Transvaal. Mr. Rogers has just returned from an eighteen months' trip in New Zealand, where he found business to be good. During his absence the number of the firm's post office box in Cape Town has been changed to No. 1235, where communications should be addressed.

### Orange River Colony.

**TELEPHONE EXTENSION.**—The telephone system has now been extended from Bloemfontein to Kimberley, some eighty-four miles distant. The new facilities would doubtless prove a great boon to commercial people, especially to firms like Lemon, Ltd., and Heynes, Mathew & Co., who have branches in both these towns, but the fee of 2s. 3d. for three minutes' conversation is calculated to cripple its utility.

**THE OPIMUM BAN.** Representatives of New York importing firms handling opium met on March 3 at the Custom House, on the invitation of Mr. Henry C. Stuart, sub deputy collector, to discuss ways and means of carrying into effect the Act of Congress passed last month to prohibit the importation of opium into the United States other than for medicinal purposes. An advisory draft of proposed regulations, prepared in the office of the Secretary to the Treasury, was submitted to the importers, and a general interchange of views took place between the Government Revenue officers and the importers. Among the firms represented were McKesson & Robbins, Dodge & Olcott, Schieffelin & Co., etc.

## Australasian News.

The fullest information regarding the Australasian drug-trade and pharmacy is given in "The Chemist and Druggist of Australasia," copies of which can be obtained at 6d. each, post free, from the office of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

### New South Wales.

PARKE, DAVIS & Co. have moved into new offices and warehouses at 125 York Street, Sydney. The premises are built on modern principles, and comprise six floors and basement, the building having a frontage of 42 ft. and being 32 ft. deep.

BONNINGTON & Co., LTD., has been registered, with a capital of 7,000*l.* in 10*l.* shares, with the object of acquiring the business carried on by the trustees of the will of the late Geo. Bonnington at 179 Harris Street, Sydney, and carrying on business as manufacturing chemists and wholesale and retail dealers in drugs and chemicals.

PURE-FOOD ACT.—July 1 will see the commencement in New South Wales of the Pure-food Act, 1908, which is of great importance to pharmacists. An account of the main provisions has already been given in the *C. & D.* (October 3, 1908, p. 538). The guarantees to be given under the Act are either general or specific. In the former case a serial number will be allotted by the Treasury, and can be placed in each package of the goods with the words, "Guaranteed under the Pure-food Act, 1908."

### New Zealand.

THE CONSOLIDATED PHARMACY ACT.—Scrutiny of the Consolidated Act in the light of events shows considerable obscurity in the drafting. Section 5 says, "The Pharmacy Board of New Zealand constituted under the Act of 1898 shall be deemed to be the Board under this Act, and the members thereof shall hold office under this Act until the first day of January next following the first election of the Board under this Act when they shall all cease to hold office." This is taken almost exactly from Section 6 of the Act of 1898, but an election of the whole of the members of the Board is not dealt with in subsequent sections. Then, again, Section 1, Sub-section (b), says, "Every status and qualification acquired under the enactments consolidated and subsisting shall be deemed to have been acquired under this Act." It is curious that in 1898 a similar question arose. At the Pharmacy Board meeting on November 16 of that year, it was stated that the Board's solicitor had been consulted as to whether the election of a new Board should take place. An opinion had been given by Sir Robert Stout that the members of the present Board should remain in office until the end of the year. But the Board's solicitor and two other Auckland lawyers insisted that the election should be proceeded with. This was done, and a Board of seven members was elected under the old Act and held office until the conclusion of the year 1899, when the new Board of ten members was elected. But the difference between the two Acts is that the Act of 1898 was made to come into operation on the first day of January, 1899, while the Consolidated Act came into operation apparently on the day that it passed, which is not mentioned in the Act itself.

### South Australia.

FOOD AND DRUGS ACT.—This Act comes into force on June 1. Some particulars of the provisions of the Act were given in the *C. & D.*, October 3, 1908, p. 538, and November 9, 1907, p. 715.

### Tasmania.

THE PHARMACEUTICAL SOCIETY OF TASMANIA.—It is now fairly certain that this Society will not be continued. Considering that only about 50 per cent. of the Tasmanian chemists could be induced to pay their annual subscriptions of a guinea, it is certain that few would be willing to continue the payment in addition to the obligatory 2*s.* required to register annually with the present Board. The compulsory registration clause of the Tasmanian Act provides a definite time limit for the payment of the fee and legal enactments to compel its collection.

### Victoria.

ROCKE, TOMPSITT & Co. have just completed new premises on the site of their old building in Flinders Street, Mel-

bourne. "The Chemist and Druggist of Australasia" publishes particulars of the building, with pictures of the company's establishments in 1877, 1880, and 1908, showing the progress which has been made within the last thirty years.

W. G. HEARNE & Co., LTD., has been registered under the Companies Act, with the objects of acquiring from William Goodall Hearne the right of sale in Australia of Hearne's Bronchitis Cure, Frotooids, and other medicines, and of carrying on business as wholesale druggists, manufacturing chemists, etc. The capital is 50,000*l.* in 1*l.* shares, half of the shares being ordinary and half cumulative preference. Among the subscribers for twenty shares each are W. G. Hearne, chemist, Geelong; W. D. Williams, pharmaceutical chemist, Glenferrie; and Edwin T. Church, chemist, Balclava.

## Australian Pharmaceutical Conference.

The constitution and rules of the Australian Pharmaceutical Conference were provisionally adopted at Brisbane in January. These have been modelled on the constitution of the British Pharmaceutical Conference modified to allow of the discussion of commercial and legislative questions. The composition of the Executive is also varied because of the existence of numerous State Pharmaceutical Societies in the Australian Commonwealth. The President of each State Pharmaceutical Society is *ex officio* a Vice-President of the Conference, and the Council of each Society is empowered to elect a second Vice-President. This insures an Executive representative of all States of the Commonwealth, and forms the connecting-link between the Conference and the State Societies.

Among the objects of the Conference is the preparation and publication of a Formulary. The Conference held a meeting at Brisbane in January at the same time as the Australian Association for the Advancement of Science, and was officially connected with the Association through the Pharmaceutical Sub-section to the Chemistry Section, at which Conference papers of scientific interest were read. The trade and educational papers were read and discussed at an independent Conference which met in the rooms of the Queensland Pharmacy Board. An auxiliary educational Conference of Examiners was also organised. The first President of the new A.P.C. is Mr. A. B. Chater, who is President of the Pharmaceutical Society of Queensland; and Mr. R. C. Cowley, F.C.S., formerly of Liverpool, was elected Secretary. Those who are acquainted with Mr. Cowley will recognise in his appointment an augury for good, and his knowledge of the working of the British Pharmaceutical Conference should be of great service to the Australian Conference. It may perhaps result in the establishment of an official understanding between the two bodies, although we do not notice that any suggestion to this end has so far been made. The proceedings at the Conference were interspersed with social events. Before the Scientific Section there were papers on "Matai Resinol," by Professor Easterfield; "Euphorbia Pilulifera," by Mr. John Lunn; "The Alkaloids of Pukatea Bark," by Miss B. C. Ashton; "The Influence of Drugs on Digestion," by Mr. George Mackay; "Glucosides," by Mr. R. C. Cowley; and "The Mechanism of the Molecule," by Mr. W. M. Hamlet. The Business and Educational Section of the Conference discussed the preparation of the "Australian Pharmaceutical Formulary"; "Imperial Reciprocity"; "The Proprietary-medicine Evil"; "The Microscope in Pharmacy"; "Natural Laws in the Business of Pharmacy"; "A Federal Pharmacy Board"; "Modern Progress in Relation to Old Remedies"; "Modern Business Facilities for Pharmacists"; "Acetanilide in Hydrogen Peroxide"; "Materia Medica of the Northern Territory"; "Materia Medica Supplies of Australia in the Future"; and "Duty-free Alcohol for Medicinal Preparations." There were several other papers taken as read, but the list we have given is enough to show that the Conference did not suffer from a lack of subjects. The "Chemist and Druggist of Australasia" for February contains a full report of the proceedings, and copies of that issue are obtainable (6d. each) from the London office, 42 Cannon Street, E.C.



MR. A. B. CHATER.



## Legal Reports.

### High Court Cases.

#### QUININE BITTERS.

On Wednesday, March 17, Mr. Morgan W. James, chemist, of Llanelly, appeared in custody before Mr. Justice Swinfen Eady, in the Chancery Division, and applied for his release from imprisonment, to which he had been committed for non-compliance with an injunction granted against him at the instance of the Quinine Bitters Manufacturing Co., Ltd. (see *C. & D.*, March 6, p. 362).

His Lordship reminded defendant that he had been twice guilty of contempt of Court, and said envelopes and circulars before him showed that defendant was using the name Gwilym Evans associated with his own name in connection with quinine bitters.

Defendant said that was quite a slip. Those envelopes had been done away with, and he only had two or three specimens in his desk.

His Lordship advised defendant to destroy every specimen. He understood defendant undertook not to use the name "Gwilym Evans" at all in future.

Defendant said he had traded as "Gwilym Evans & James" for twenty years.

His Lordship: Never mind; it has led you into trouble twice.

Defendant said that unfortunately he had no solicitors to protect him when the order was drawn up; but they now told him how foolish he was to allow that sort of thing.

His Lordship: I understand you now offer to conduct your business in future in your own name, and not to use the name of Gwilym Evans at all.

Defendant agreed, but asked whether he might not say "formerly of Gwilym Evans."

His Lordship: No, no; your offer is not to use the name in any shape or form.

Defendant: If your Lordship wishes, I will do so.

His Lordship: Otherwise I know this won't be the last time I shall be troubled with this case.

Mr. Cozens-Hardy, who appeared for the plaintiff company, said there were one or two facts his Lordship ought to know before he consented to the application. A week after the committal order was made the defendant put an advertisement in a Welsh newspaper, representing himself as the greatest living authority on quinine bitters.

Defendant: That is not right; the chemist is the great authority referred to there.

Mr. Cozens-Hardy proceeded to read an affidavit by the secretary of the plaintiff company regarding statements alleged to have been made by the defendant, and added that defendant had continued to use and was still using a label in connection with his quinine bitters absolutely identical with the label on which the injunction was granted, except that it was printed on white instead of light pink paper. The general get-up of the bottle was the same. For the purpose of his business in Llanelly he mutilated the label by cutting the words "Gwilym Evans & James" and pasting a slip on the bottom underneath his name; but, when sending bitters away to other places, he sent the labels with the words "Gwilym Evans & James" still on, as they were originally. The secretary of the plaintiff company had purchased six dozen such bottles in January last at the Co-operative Stores, Senghenydd, Glamorgan, defendant having supplied them to an order given him by the Stores. The affidavit set out the conditions under which plaintiffs asked defendant's release should only be granted, and counsel said the plaintiffs left the matter entirely in his Lordship's hands.

His Lordship handed two bottles of quinine bitters to defendant, and asked him to note that one had a light pink label and the other a white label. The white label was not the original label with "Gwilym Evans" cut off. It still retained that name, and was reprinted.

Defendant suggested that it had been in the window, and was an old faded light pink label.

His Lordship said it was no use telling him what was not true. It looked like a deliberate fraud.

Defendant said there had been some mistake. He could

assure his Lordship that all the labels were cut out with only his own name on.

His Lordship said he did not accept the explanation, and did not believe it was true in face of the affidavit before him. He wanted defendant to understand that if his case came before him again for any disobedience of the order he would remain in prison for a much longer time. The order of the Court was to be complied with, and was not to be evaded or attempted to be evaded. He would have to pay the costs of this application, but, upon signing the Registrar's book, he would be immediately discharged on his undertaking not to use the name of "Gwilym Evans" in any shape or form at all in connection with his business or any article sold or advertised for sale by him, and to deliver up on oath within seven days all his stock of envelopes, price-lists, billheads, letter-paper, or other stationery wherever that name appeared.

### Pharmacy Act, 1868.

#### THE 1903 ACT PLEADED.

At Glasgow Sheriff Court, before Sheriff Boyd, on March 12, David Barclay McDowall, 456 Paisley Road West, Govan, was summoned at the instance of the Pharmaceutical Society for keeping open shop for retailing, dispensing, or compounding poisons, and for using and exhibiting the title of "chemist" or "dispensing chemist." Respondent admitted the offence, but on his behalf it was urged that the offence was a technical one, as under the Poisons and Pharmacy Act he would be able to conduct his business with a qualified assistant without himself qualifying. Mr. James Barrie, who appeared for the Society, contradicted this statement, explaining that the new Act requires that there must be a co-partnership between an ordinary person and a qualified chemist, and that the Registrar under the Pharmacy Acts must receive the name of the qualified partner. He pointed out that this was the third prosecution brought against the accused within eighteen months. Sheriff Boyd imposed a fine of 5*l.* for each of the offences, with 1*l.* 5*s.* 6*d.* of expenses.

### Dentists Act.

#### "PAINLESS EXTRACTIONS."

At the North London Police Court on March 15, two cases brought by the Society of British Dentists against persons who are not registered under the Dentists Act were heard and disposed of by Mr. D'Eyncourt. In the first, Victor H. E. Walter, practising in Holloway Road, was summoned for infringement of Section 3 by the use of the following advertisement:

American Tooth Company; painless extractions, crown ing. V. H. E. Walter & Co., dentists, etc.

On behalf of the defendant it was explained that he had served a four years' apprenticeship with a dentist in Germany and had studied for two years at the Dental College at Pennsylvania, U.S.A. He has been in business here for fourteen years, and has practised until now without any warning. It was explained that the action was taken consequent upon the High Court decision in *Barnes v. Brown*. The Magistrate imposed a fine of 15*l.*, and 3*l.* 3*s.* costs, or in default one month's imprisonment. In the second case, Howard Bennett, of Clapton Square, was summoned with respect to the use of the following advertisement:

Mechanical expert in artificial teeth; painless extractions; Clapton Teeth Institute; teeth extracted. H. Bennett, artificial teeth, etc.

In this case it was pleaded for the defendant that he had served a regular apprenticeship, and testimonials to his abilities from medical men were submitted. The Magistrate imposed a fine of 10*l.*, and 3*l.* 3*s.* costs.

### Sale of Food and Drugs Act.

#### SWEET NITRE.

At Alfreton on March 10, Francis Lowe, grocer, Somercotes, was fined 1*l.*, including costs, for selling sweet nitre 50 per cent. deficient in ethyl nitrite.

#### ALUM IN BAKING-POWDER.

At Diss on March 10, Albert George Draper, Dickleborough, was fined 1*l.*, including costs, for selling baking-powder containing 37.7 per cent. of alum. John James Willsea, of

Norwich, manufacturer of the article, admitted the correctness of the analysis, but produced reports of cases in which it was held that similar quantities of alum in baking-powder were not injurious to health.

#### LIME-WATER.

ON March 16, before Mr. Chester Jones, at the Thames Police Court, London, E.C., Mr. Charles Percival Appleyard, chemist and druggist, 42 Rhodeswell Road, Limehouse, was summoned by the Stepney Borough Council for selling lime-water deficient in calcium hydrate to the extent of 75 per cent. Inspector Cox said that the pennyworth of lime-water was supplied by Miss Edith Appleyard. On behalf of the defendant, Mr. C. H. Kirby (for the Chemists' Defence Association) stated that the deficiency was due to the "old age" of the lime-water. The Magistrate said he did not consider the case a serious one, and imposed a fine of 10s., and 10s. costs.

## Bankruptcies and Failures.

*Re* THOMAS WILLIAMSON, Oswestry, Chemist and Druggist.—The public examination of this debtor, who lately carried on business at the Cross, Oswestry, and now resides at Blackpool, was held at the Oswestry Bankruptcy Court last week. The liabilities amount to 326*l.*, and there is an estimated deficiency of 133*l.* Debtor said he started business with 900*l.*, borrowed money, which was subsequently repaid. He disposed of his business last October for 648*l.* The examination was closed.

*Re* JOHN C. POTTAGE, 8 Corrennie Gardens, Edinburgh.—The examination of this debtor took place in the Sheriff Court-house, Edinburgh, on March 17, before Sheriff Orphoot. Mr. Robert Cockburn Millar, C.A., the trustee in the sequestration, and Mr. Douglas Elliot, S.S.C., the agent, appeared along with the bankrupt. Mr. Millar stated that he had no questions to ask, and the statutory oath was administered. The bankrupt's state of affairs showed that the secured liabilities amounted to 2,528*l.*, the unsecured to 1,638*l.*, and the free assets to 900*l.*

*Re* WILLIAM JOHN GARDAM, Monument Road, Birmingham, Chemist and Pharmacist.—The public examination of this debtor was held at Birmingham County Court on Monday, before Mr. Registrar Whitelock, when the financial and trading particulars, which were published in the *C. & D.*, March 6, p. 365, were detailed by the debtor in reply to questions by the Official Receiver. His takings up to August last had been 8*l.* a week, and, asked by the Official Receiver as to whether it was not necessary that he should have taken much more than that in order to meet his expenses, the debtor said it all depended upon the profit he made, which it was difficult to state exactly. When he was unable to pay the 1*l.* which became due weekly the vendor of the business took a smaller amount. He did not know at the time he opened the branch shop at Ladywood that his business was a failure, and even now thought he should have been able to make it pay had it not been for the trouble with his wife. He had to give a quantity of stock as security for costs, and still owed his solicitor about 16*l.* At the date of the receiving order there were five judgments and three writs outstanding against him. The examination was concluded.

*Re* BAREND M. WINKEL, Ethelburga House, 70 and 71 Bishopsgate Street, E.C., Oil-broker, etc.—At the London Bankruptcy Court on March 17, an application was made to Mr. Registrar Linklater to rehear the bankrupt's application for an order of discharge. Mr. E. S. Grey attended as Official Receiver, and Mr. Tyndal Davis for the applicant. According to the report of the Official Receiver the bankrupt failed in August 1900; the estate realised 196*l.* 14s. 8*d.*, and a dividend of 11*l.* 4*d.* in the pound was paid on admitted proofs amounting to 2,661*l.* 14s. 8*d.* The matter was reported in the *C. & D.*, September 22, 1900, p. 512, and subsequent issues. The debtor had in December 1901 pleaded guilty to certain counts in a charge against him connected with a delivery order for oil, and was bound over on his own recognisances. He thereafter applied for an order of discharge from the bankruptcy, but it was then refused by the learned Registrar, and he now applied for the application to be reheard. Mr. Tyndal Davis called various witnesses to give evidence testifying their appreciation of the applicant's integrity and good conduct in connection with their dealings with him, and was followed by Mr. Grey, who urged that the refusal ought not to be amended. Mr. Registrar Linklater, in giving judgment, said that the Recorder, who presided over the criminal trial, came to the conclusion, having regard to the facts then before him and the evidence as to character given on the

bankrupt's behalf, that it would be sufficient to bind him over in the sum of 100*l.* to come up for judgment if called upon so to do. Showing as that nominal sentence did the Recorder's view of the case, he (the Registrar) was of opinion that it constituted a special reason which he was entitled to take into consideration in the bankrupt's favour. Further, that, following the decision of the Lords Justices, he might also properly take into account the bankrupt's subsequent good conduct. In the circumstances, therefore, he should modify the order already made and substitute for a total refusal a suspension of the discharge for three years from that date, which would be equivalent to the bankrupt being for twelve years without his discharge. Order entered accordingly.

*Re* AUGUSTUS JAMES FENNER, lately trading under the style of the Camphylene Co., 199 Westcombe Hill, Blackheath, late Royal Dockyard Wharf, Woolwich, Kent.—The statutory first meeting of the creditors was held at the offices of the Official Receiver, 132 York Road, Westminster Bridge, S.E., last week. Mr. H. L. Howell, who presided, said that the debtor had written from Gloucestershire stating that he could not get to London at present. Papers had been sent to the debtor for him to fill in, but the answers he had given were not altogether clear. It appeared that up to December 9 last he carried on business at the Royal Dockyard Wharf, Woolwich, under the style of the Camphylene Co. He commenced the business on January 1 of last year. At that time he had a capital of about 500*l.*, which was lent to him by a solicitor. The Official Receiver said it appeared that the debtor had been through the Bankruptcy Court at Liverpool in 1895, when the liabilities amounted to 2,700*l.* No proper statement of affairs had been filed by the debtor, but he was of the opinion that in addition to the 500*l.* owing to the solicitor his debts did not exceed 100*l.* On December 9 last the debtor assigned his business to a Mr. C. W. Clement-Smith. The Official Receiver was not prepared to say what the assets were, but it appeared to him that if anything was realised the Official Receiver for Liverpool might have a claim on them. The debtor had stated that there had been no partnership. Mr. Clement-Smith informed the meeting that he took over the business last December in consideration of debts due and owing to him. He was now proving on the estate for 18*l.* money lent, but the Chairman said he could not admit the proof for the purposes of that meeting. Mr. Smith said he is continuing the business, but so far it has not been profitable, and he has lost about 25*l.* a month. As the holder of a proxy for another creditor Mr. Smith proposed the appointment of a trustee, but this was opposed by Mr. Leader (Messrs. Plunkett & Leader), who expressed the opinion that the matter should be left in the hands of the Official Receiver. Eventually the resolution for the appointment of a trustee was lost, and the matter was left in the hands of the Official Receiver.

## Gazette.

### Partnership Dissolved.

SUNDERLAND, O., HAMILTON, J. J. C., and POUNDS, G. C., surgeons and general medical practitioners, Bexley Heath and Welling, Kent, under the style of Drs. Sunderland, Hamilton & Pounds.

### The Bankruptcy Acts, 1883 and 1890.

#### ADJUDICATION.

LAW, ROBERT REDMAN, Sidcup, Kent, medical practitioner.

#### Liquidations.

SHARP'S DRUG-STORES, LTD.—At extraordinary meetings at 49 Edward Street, Brighton, on February 8 and February 27, a resolution was passed and duly confirmed that the company be wound up voluntarily, and that Mr. Henry Elford, 24 Coombe Road, Brighton, be appointed liquidator.

SHARPNESS CHEMICAL CO., LTD.—A meeting is to be held at 6 Bennetts Hill, Birmingham, on April 19, at 3 p.m., to receive the liquidator's report.

LIMITED PARTNERSHIP.—SOUTH COAST AERATED WATER CO., soda and mineral-water manufacturers and sellers, 221 Twyford Avenue, Portsmouth. Partnership for three years from February 18, 1909, subject to power of general partner to determine at any time after two years by six months' notice. General partner: H. V. Robinson, Enville, Portsmouth. Limited partners: H. Robinson, Compton, Kinver, Staffs; Mrs. E. A. Robinson, Enville, Portsmouth; and Mrs. R. E. Swann, 221 Twyford Avenue, Portsmouth, contributing 450*l.*, 300*l.*, and 135*l.* in cash respectively.



## New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

**POLLARD'S STORES, LTD. (P.C.).**—Capital 500*l*. Objects: To carry on the business of chemists, druggists, perfumers, dealers in chemicals, opticians, stationers, etc. The first subscribers are G. H. Pollard and H. Pollard, Bedford, grocers; and A. B. Humble, 51 Cauldwell Street, Bedford, chemist. G. H. Pollard is the manager.

**NATIONAL DRUG AND CHEMICAL CO. OF CANADA, LTD.**—Capital \$6,000,000, in shares of \$100 each. Registered in Canada on November 9, 1905. British address: office of Messrs. Chalmers, Wade & Co., 5 Fenwick Street, Liverpool. S. Castle and G. W. Allen (trading as Whitley & Co.), of 41 Castle Street, Liverpool, are authorised to accept service.

**LADY BLOUNT'S MEDICAL-AID SOCIETY, LTD. (P.C.).**—Capital 500*l*. Objects: To organise a central institution in London with affiliated branches as local dispensaries, to afford medical aid, medicine, and treatment by registered medical practitioners to provident members of the public at a low scale of inclusive charges upon a self-supporting basis. R.O., 9 Newman Street, Oxford Street, W.

**UNITED ALKALI CO., LTD.**—The report for the past year, to be submitted at the meeting in Liverpool on March 25, states that the net profit was 228,498*l*. and 60,655*l*. was brought forward. The directors propose payment of the 7 per cent. preference dividend for the year, carrying forward 36,274*l*. The reduction in profits is stated to be due to the general depression in trade and increased cost of raw materials.

**EVANS SONS LESCHER & WEBB, LTD.**—A general meeting of the shareholders was held at 56 Hapovser Street, Liverpool, on Friday, March 12. Mr. J. J. Evans (chairman of the company) presided, and, in referring to the directors' report and statement of account, said the chief matter of interest during the past year was the issue of 20,000 5 per cent. cumulative preference shares of 5*l*. each by the company, which was considerably over-subscribed. The retiring directors, Messrs. John J. Evans, H. E. Webb, and J. N. Evans, were re-elected, and Messrs. Chalmers, Wade & Co. were re-appointed auditors.

**BARCLAY & SONS, LTD.**—The annual report of the directors for 1908, to be submitted at the general meeting to be held at 95 Farringdon Street, E.C., on March 24, states that the volume of business has been well maintained, notwithstanding the bad trade which has affected so many industries and the extreme competition which still exists. The sales have somewhat increased, and the expenses are even a shade lower than in the previous year. The profits enable the directors to recommend a payment of the full dividend on the preference shares and 2½ per cent. on the ordinary. After writing off all bad debts, the profit for the year, including 36*l*. 14*s*. 8*d*., brought forward, is 2,836*l*. 19*s*. 9*d*., out of which has been paid the interest on debentures and interim dividend on the preference shares, amounting to 1,319*l*. 8*s*., which leaves a balance of 1,517*l*. 11*s*. 9*d*., which the directors recommend should be applied as follows: To provide six months' dividend on 5 per cent. preference shares to December 31, 1908 (652*l*. 1*s*.), one year's dividend at 2½ per cent. per annum on ordinary shares to December 31, 1908 (479*l*. 5*s*. 6*d*.), to write off capital expenditure (233*l*. 0*s*. 4*d*.) to carry to bad debts reserve 50*l*., to carry to reserve 50*l*., leaving 53*l*. 4*s*. 11*d*. to carry forward. The retiring director is Mr. R. H. Groves, who, being eligible, offers himself for re-election.

**MORTGAGES AND CHARGES.**—The following have been filed at Somerset House: *Sunrise Proprietary Co., Ltd.*. Debenture for 100*l*. to Mr. O. E. Warburg, 28-9 St. Swithins Lane, E.C.—*Rivers, Hill & Co., Ltd.*. Particulars of 3,000*l*. debentures, of which 2,000*l*. is now issued to W. Praeger and P. Birkett. *Original Antiseptic Pastille, Ltd.*. Particulars of 500*l*. debentures, of which 500*l*. is now issued.—*British Photo Paper, Ltd.*. Issue of 25*l*. debentures, part of series created November 6, 1907, to secure 5,000*l*.—*J. Savage & Co., Ltd.*. Mortgage to secure 300*l*., and held by East Morley and Bradford Deposit Bank, Ltd.—*Cardiff Alkali Co., Ltd.*, 500*l*. debentures created and issued on February 26, 1909.

**U.S. TARIFF TINKERING.**—The Tariff Bill introduced to the House of Representatives on March 17 by Mr. Payne, chairman of the Ways and Means Committee, proposes *inter alia* to reduce the duty on boric acid from 3c. to 2c. per lb., varnishes from 35c. to 25c. *ad val.* lead acetate and white lead from 3½c. to 2½c., refined sulphur from 88 per ton to 86. The Bill imposes a duty of 8c. per lb. on tea coming from the producing country and one of 9c. on tea imported by way of other countries. The House referred the Bill to the Committee of Ways and Means.

## Births.

**AUSTIN.**—At 20 Dover Road, Sheffield, on March 13, the wife of John Austin, pharmaceutical chemist, of a son.

**NICHOLSON.**—At 125 Hampstead Road, London, N.W., on February 25, the wife of Thomas T. Nicholson, chemist and druggist, of a son.

**OSWALD.** At the Meersbrook Pharmacy, Sheffield, on March 7, the wife of J. S. Oswald, chemist and druggist, of a son.

## Marriages.

**PARKER-BENNIE.** At Grove Cottage, Newmills, Dunfermline, on March 10, by the Rev. George Simpson, Robert Proctor Parker, registered druggist, 38 Quay, Waterford, to Martha Chalmers, youngest daughter of Mr. Matthew Bennie, retired merchant.

**PRATT-WILLIAMS.** At the Baptist Church, Faringdon, Berks, on March 11, by the Rev. G. Millar, M.A., Herbert W. Pratt, chemist and druggist, son of the Rev. W. Pratt, M.A., D.D., of Jamaica, British West Indies, to Helen, daughter of Mr. H. Williams, Faringdon, Berks.

## Deaths.

**ADCOCK.**—At Hildersham, Norwich, on March 14, Mr. Robert Adcock, aged seventy-four. Mr. Adcock started in business as a chemist at his native town, Linton, Cambs., but in 1861 he entered the service of Messrs. J. & J. Colman, Ltd., with whom he remained until his retirement in 1904.

**BAKER.**—At Margate, on January 9, Captain Charles Edward Baker, formerly of the P. & O. Service, aged fifty-six; and in a nursing home at Finsbury Park, on March 11, Mr. Osmond John Baker, of Old Change, E.C., aged fifty-nine, brothers of Mr. S. G. Baker, chemist and druggist, Church Street, Greenwich.

**BALKWILL.**—At 14 Collings Park, Plymouth, on March 16, Mr. George Balkwill, Ph.C., aged sixty-nine. Mr. Balkwill served his apprenticeship with his uncle, Mr. William H. Balkwill, chemist and druggist, Kingsbridge and Salcombe, Devon; then joined Messrs. Balkwill & Co., chemists, Plymouth, of which firm he was a partner for some years until his retirement in 1875. Since the death of his wife in 1902 Mr. Balkwill's health had not been strong, and on Saturday, March 13 (the seventh anniversary of her death), he had an attack of effusion of blood on the brain, which was the cause of death. The funeral will take place on Saturday, March 20, at Galmpton, South Devon.

**CLARK.**—At Malvern Wells, on March 12, Mr. Edward John Clark, chemist and druggist, aged fifty-one. Mr. Clark served his apprenticeship in South Wales and lived as an assistant in Bath, Cheltenham, Worcester, and Wakefield. He passed the Minor in April 1881. He came to Malvern Wells twenty years ago. Mr. Clark was highly esteemed in the locality, and took much interest in Church affairs, being until recently people's warden at St. Peter's, Malvern Wells. He was a trustee of the Institute and a Freemason. A widow and three children are left to mourn his loss. The funeral took place on March 16, at which were present Messrs. A. Mander, A. E. Bayliss, and J. Need.



**DUCKETT.**—At Bow Lane, Preston, on March 11, Mr. John James Duckett, chemist and druggist, aged fifty-three. Mr. Duckett was formerly in business in Church Street, Preston, and at Kirkham.

**HATTERSLEY.**—At Stepney, suddenly, Mr. William George Hattersley, chemist and druggist, West India Dock Road, London, E., aged sixty-seven.

**MCBRIDE.**—At 49 Edgbaston Road, Birmingham, on March 14, John Alexander, younger son of Mr. William

McBride, late of Newry, Ireland, and now on the representative staff of Messrs. Burroughs Wellcome & Co.

PAUL.—At her residence, 10 Marine Terrace, Lowestoft, on March 12, Anne Matilda Paul, only daughter of the late Dr. Benjamin Paul and his wife, Anne Bacon, formerly of Hertford Street, Mayfair, W., and sister of Dr. B. H. Paul, F.I.C., F.C.S., aged seventy-five.

REEKIE.—At Eckerley, Hamilton, on March 11, Balfour, elder son of Mr. Balfour Reekie, chemist and druggist, Hamilton.

VARDER.—At 52 North Road, Cardiff, on March 11, Mr. John Lavington Varder, chemist and druggist.

## Trade Notes.

OWBRIDGE'S LUNG TONIC does not contain morphine or any other scheduled poison, is the purport of an advertisement in this issue by Messrs. W. T. Owbridge, Ltd.

MESSRS. WALTER CARSON & SONS, Grove Works, Battersea, London, S.W., have purchased the stock, goodwill, etc., of Maurice's Porcelain Co., manufacturers of enamels.

THE Anglo-American Pharmaceutical Co., Croydon, have opened a City office and showroom at Chichester Chambers (ground floor), Chichester Rents, Chancery Lane, where they will receive inquiries and execute small urgent orders.

GUDA HAIR-POWDER.—Messrs. Dubosch & Gillingham, 285 Regent Street, London, W., intimate that they have changed the name of their "Regent Hair-powder" to "Guda Hair-powder." The latter name has been registered as a trade-mark.

"BOTANIC BREWER'S GUIDE."—The third edition of this useful guide has just been issued by Messrs. Potter & Clarke, Ltd., Artillery Lane, London, E. The book, which sells at 1s. 6d., tells how to brew the various botanic beverages in such a way that the alcohol in the finished product does not exceed the amount allowed by the Inland Revenue authorities. A good selection of recipes is given.

LAVONA DE COMPOSÉE.—The To-Kalon Manufacturing Co., Albion House, 61 New Oxford Street, London, W.C., inform us that it has been brought to their notice that some chemists, owing to misapprehension, supply "Savon de Composee" for "Lavona de Composéé" in making up the formula of the firm's hair- tonic. Lavona de Composéé being a totally different thing, customers naturally complain.

THE "SANITAS" Co., LTD., Lockesley Street, Limehouse, London, E., on Monday, March 15, reduced the prices of Kingzett's preserved hydrogen peroxide for export, home trade, and for retail. The price for the 10-volume strength in 1-lb. bottles was 14s. 3d. per dozen, and the new rate is 9s. 6d. per dozen. The full retail price used to be 1s. 6d., protected by the P.A.T.A. at 1s. 5d., instead of, as now, 1s. 3d. and 1s. 2½d. respectively.

"POISONS" NOTICE.—Messrs. James Townsend & Sons, printers, Exeter and London, have forwarded a specimen of their window or wall poisons-poster. The notice (17½ in. by 11 in.) is printed in red and black, and the bill, with its conspicuous and appropriate wording, cannot fail in its object of notifying farmers, gardeners, and the general public where to obtain the poisonous preparations required in their business. The price is 4d. each, or four for 1s., post free.

MESSRS. H. BRONNLEY & Co., LTD., tell us that we did not put quite correctly their offer to the co-defendants in Williams v. Bronnley (see *C. & D.*, March 13, p. 428). To Mr. Williams, of Bournemouth, they gave a letter of indemnity with reference to all the costs, and to Messrs. Francis Newbery & Sons, Ltd., they offered to pay nine-tenths of the costs should Messrs. Bronnley fail in their defence, on condition that the one firm of solicitors should act for all, but Messrs. Newbery preferred to have their own solicitors to act for them.

EFFERVESCENT LITHIA TABLETS.—Messrs. Arthur H. Cox & Co., Ltd., pill and tablet manufacturers, Brighton, have introduced a new style of packing for their effervescent lithia tablets—namely, in oval amber-glass bottles, with box-wood tops, each containing thirty tablets. We have tested

the tablets, and find that they dissolve readily, but not too quickly, giving a brisk effervescence and affording a piquant draught. The bottles are nicely labelled, and are offered by Messrs. Cox in three-dozen lots at 6s. per dozen, with the chemist's name and address on the labels.

NORWEGIAN COD-LIVER OIL.—Messrs. A. & M. Zimmermann, 3 Lloyd's Avenue, London, E.C., have been appointed agents for the sale of the "Kielland" brand of Norwegian cod-liver oil, the 1909 yield of which is now arriving. As this is a new mark, Messrs. Zimmermann have submitted samples to Mr. Ernest J. Parry for analysis. He finds the oil to be of non-freezing quality, pale in colour, free from objectionable taste and odour, and in accordance with B.P. requirements. Judging from the sample which has been sent to us, the brand is likely to meet with a favourable reception.

EUCALYPTUS GLOBULUS OIL.—We have received from the British Drug Houses, Ltd., 64 Park Street, Southwark, London, S.E., samples of Gould's Tasmanian oil of eucalyptus ("Blue Finch" brand), which they offer as imported and redistilled (almost colourless), the former in 1-lb. bottles at 2s. 10d. each, 2-lb. 5s. 2d., and 5-lb. 11s. 4d.; also in bulk, and packed ready for retail in bottles about 2½ oz., at 6s. per dozen. The redistilled oil is 3s. 2d. per lb., or 3s. in Winchester. Our analyses of the oils give the following results:

	As imported	Re-distilled
Sp. Gr. 60° F. ... ..	0.9193	0.9168
Opt. rot. (100 m.m. at 20° C.) ...	+4.9°	+5.5°
Zeiss butyro-refractometer at 20° C. ... ..	=1.4658	=1.4637
Cineol content (by vol.) ... ..	About 60%	About 60%
Phellandrene ... ..	Absent	Absent

These results prove that the oils fulfil in every respect the requirements of the British Pharmacopœia.

THE "B. & S." JUBILEE.—Messrs. C. F. Boehringer & Soehne, of Waldhof, Mannheim, have issued a handsome illustrated souvenir of the history and development of their firm, on the occasion of their fiftieth anniversary, which they celebrated on March 15. The frontispiece of the souvenir is devoted to beautifully reproduced half-tone portraits of the founders of the business and the present proprietor, together with views of the works, first at Höchst, then Stuttgart, Mannheim, and finally Waldhof. It was in 1859 that Christian Frederick Boehringer and his two sons, Christian and Christopher, commenced business at Stuttgart. The new firm was then a development of Engelmann & Boehringer, wholesale druggists, Stuttgart, who were manufacturers of santonin, sulphuric ether, acetic ether, spt. ath. nit., chloroform, potassium iodide, etc. Shortly afterwards the firm acquired the quinine-factory of Simeons, Ruth & Co., at Höchst, and continued to manufacture the alkaloid there, until plant was established in Stuttgart in 1861. Christian Boehringer died in 1864, and his father two years later. For a time the widow of Christian, and a son-in-law, Theodore Geyer, conducted the business, but from March 1871 up to his death in 1882 Christopher Boehringer was the sole proprietor. His widow took over the business, and shortly afterwards her son Ernest succeeded, taking Dr. Frederick Engelhorn into partnership in December 1883. Ernest Boehringer died in 1892, and Dr. Engelhorn became, and is now, sole proprietor. The factory was removed to Mannheim in 1872-73, then to Waldhof in 1882-84.

DISINFECTATION OF ANTHRAX.—Dr. J. S. Holden, medical officer of health for the Melford Rural District, finds that the danger of anthrax infection arising from the dust produced in handling horsehair is obviated if each bale is immersed in a hot dilution of cyllin (1 per cent. or stronger), then ripped open and allowed to soak for an hour and a half. The hair is then drained and sorted while still damp. The Home Office has sanctioned this method and allowed it to be substituted for the new Anthrax Order, and Dr. Holden states that since its adoption no case of anthrax has occurred, while previously he frequently had to report the outbreak of anthrax among employés in a local workshop who handled horsehair.



## A Chat with Mr. Idris:

### Mainly about South American Pharmacy.

AFTER a nine weeks' trip to South America and back, Mr. T. H. W. Idris, M.P., looks so well that he might never have experienced the worries of the Poisons and Pharmacy Bill. That measure delayed the journey to warmer climes which his medical adviser had prescribed, and it was not until Friday, January 8, that he was able to leave Southampton by a Royal Mail steamer for Brazil and Argentina. He returned to Southampton on Friday, March 12, having visited about a score of interesting places,



MR. IDRIS.

including Cherbourg, Leixões, Vigo, Oporto, Lisbon, Madeira, St. Vincent, Bahia, Rio de Janeiro, Santos, Monte Video, Buenos Aires. A *C. & D.* representative had a chat with him this week, more for "Auld Lang Syne" than for "copy"; but Mr. Idris's chat was so interesting that we venture to give the gist of it, especially as Mr. Idris succeeded, in spite of many distractions, social and official, in getting clear impressions of how pharmacy is conducted in Argentina and Brazil. He went with such introductions that British representatives and consuls opened their doors to him, and, besides much entertainment, afforded him opportunities of obtaining exact information

regarding the educational, commercial, municipal, and professional conditions of the countries.

Dealing first with Argentina, Mr. Idris was struck by the great wealth of the country and the large British interests that are there involved. He stayed for the better part of a fortnight in Buenos Aires, with occasional excursions in the country, and everywhere found evidence of rapid development. Meat and wheat are the country's staples, and land has in consequence multiplied in value marvellously. Money is plentiful, and the demand for goods, especially of English origin, is excellent. It is curious, however, how few Britishers there are of the shop-keeping or merchant class; indeed, many Germans who have settled in the Republic find it profitable to handle English goods. But these do not predominate, as French imports are highly esteemed. Mr. Idris was particularly struck by the handsome and rich character of the pharmacies, both in the Argentine and Brazil. The practice of pharmacy is similar in both countries, but in the Argentine the law is more strictly enforced. There pharmacists, dentists, medical practitioners, and lawyers have, up to the point of entering college, to go through the same elementary education, and, having proved their scholastic fitness, they enter the college. Medical and pharmaceutical students then work side by side for a term of years, passing examinations which qualify them as pharmacists. A further term of years has to be put in at college and examinations passed before the diploma to practise medicine is granted. Thus, pharmacy is an integral part of the medical profession, and we have in South America the ideal which the late G. F. Schacht sought for Great Britain thirty years ago. The system is beneficial to pharmacy, Mr. Idris found, and it is accompanied by the restriction of pharmacy to the pharmacist. Only those persons who qualify in the Argentine may open pharmacies in the Republic, but this does not prevent other persons (unqualified or pharmacists from other countries) starting pharmacies under the ægis of Argentine pharmacists, and medicos who have passed the pharmaceutical stage of the curriculum are only too happy to lend their names for a consideration which will suffice to cover, in whole or part, the expenses of the rest of their studies. This arrangement does not materially affect for the worse the practice of pharmacy, for the laws suffice to insure protection to the public and the craft in the matter of dispensing prescriptions and the sale of potent medicines, which are strictly reserved to pharmacists. Moreover, no practising physician may, unless in rare circumstances, dis-

pense his own prescription—that must be done by a pharmacist, who is thus a check upon the prescriber. There was the realisation of a principle which Mr. Idris advocated in one of his addresses when President of the British Pharmaceutical Conference. In strict law no prescription can be dispensed in the Argentine which has not been written by a medical practitioner qualified to practise locally, and foreign prescriptions must be endorsed by a local doctor. This regulation is easily met, of course. The co-ordination of the studies of medical and pharmaceutical students is in another way highly beneficial to pharmacists, in so far as physicians are familiar with medicines and know how to write prescriptions for medicines to be compounded extemporaneously. The result is that proprietary preparations are not so formidable a feature there as they are in British pharmacy.

Mr. Idris was struck with the magnificence of the pharmacies. Some of them are palatial offices or waiting rooms, with little or no evidence of trade about them, all the work being done behind or above, and the customers attended to by assistants who pass their orders or prescriptions on. These pharmacies represent a lot of money, for everything is dear out there, although the Argentine is a free trade country compared with strictly protective Brazil. Besides pharmacies there are "droguerias," or drug shops, where common drugs, chemicals, proprietary and toilet articles, and technical poisons are sold, but no prescriptions dispensed or potent medicines dealt in. Pharmacists may run droguerias—indeed, the finest establishment in Buenos Aires is that founded by the late Señor Gibson, which was illustrated and described in the *C. & D.* a few years ago. Since Señor Gibson's death, in 1907, this establishment has been carried on by his two sons, brought up in the business. It occupies the better part of a street side, and, besides the pharmacy and drug shop, has a large department devoted to surgical requirements, manufacturing and wholesale departments, and other adjuncts which make it one of the best-equipped medical and pharmaceutical establishments in the Western Hemisphere. Mr. Idris speaks gratefully of the remarkable courtesy he received from Señor Gibson, and assistance given in regard to the practice of the art there. It is interesting to note that pharmacy and its allied professions are controlled by the Department of Hygiene, which periodically publishes a register ("*Guía Práctica*") containing the Acts and decrees regulating the professions and lists of the names and addresses of pharmacists, medicos, dentists, veterinary surgeons, and other persons engaged in the care of the sick. Considering the strictly ethical conditions upon which practice in all departments is founded, it is somewhat of a shock to find the "*Guía*" interlarded with advertisements of proprietaries.

Much more Mr. Idris told our representative in regard to Buenos Aires—*e.g.*, he visited there a magnificent aerated-water factory, splendidly equipped with English machinery, and carried away with him a portfolio of photographs. There is a big business in aerated waters in bottles and syphons, but the latter are not cared for so well as they are here, and there is room for betterment. The Chinaway syphons are already out there, and more will be heard of them.

During the two days that Mr. Idris spent in Monte Video, he found that the pharmacy laws are not so strict there, or not so strictly administered; but there was an attempt in 1903 to improve matters, the pharmacists having moved for better regulations as regards qualification, and better means for insuring that qualified pharmacists only shall conduct pharmacies. The Bill giving effect to these proposals prohibited anyone but a qualified pharmacist from owning a pharmacy, and also put great restrictions on the sale of proprietary medicines. It had to be dropped. Of the week that he spent in the City of Rio de Janeiro four days were given up to Carnival—and a wilder display of frivolity and indifference to business Mr. Idris had never dreamt of. Nevertheless, he had the opportunity of judging how different Brazil, with its wealth as a gold and coffee producing country, also purely Latin in population and sentiment, and tariff ridden, is from Argentina, with its tincture of Anglo-Saxon industrial class. In Rio there are scarcely 2,000 Britishers; in Buenos

Aires at least five times that. In Brazil everything is taxed. A bottle of Idris ginger-ale, which costs 4d. in London clubs, figures out at 1s. 7½d. in Rio—it is taxed by weight, bottles included. So it is with everything, and there are corresponding internal taxes; but the land is free, and is owned by about a score of families, who see that the law-makers impose no taxes upon their property. As for pharmacy, the law is practically similar to that of the Argentine, but the practice is different. The pharmacies are just as palatial, but the authorities are indifferent as to who owns them so long as the work inside is done by qualified pharmacists or qualified assistants. They are very strict as to that; all dispensing must be done by qualified men or directly under qualified supervision. Like everything else in Brazil, it is only for the Brazilians, and although there are foreign pharmacists there they are covered by Brazilian names.

These notes merely touch the fringe of what Mr. Idris can say about South America and its pharmacy. Perhaps some day he may tell us more about it all, for he has a lot of official monographs in Spanish to wade through, after he has caught up with pharmaceutical and political events that have happened since January 8. Maybe we may hear some of it at the King's Hall on April 1, but in the meantime it is sufficient to know that he has returned fit and well, and more than ever convinced that British pharmacy will be benefited by the new Act for which British pharmacists have largely to thank him.

## Poisons and Pharmacy Act.

### Licences under Section 2.

The Westmoreland County Council have received one application for a licence, which was referred to the Agriculture and Diseases of Animals Committee.

The Kirkcaldy Town Clerk notifies that applications for licences cannot be dealt with until the regulations of the Privy Council have been received. Notice will then be given of the procedure requisite.

The Galashiels Town Council have granted licences to J. H. Thripland (trading as Robert Thripland & Son, ironmongers, Channel Street) and J. S. Dun and George Dun (trading as John Dun & Co., seed merchants, Island Street), Galashiels.

At a meeting of the Arbroath Town Council last week a communication was read from the local chemists to the effect that the provisions of the new Act are fully met, and, if need be, that the chemists are ready to confer with the Council on the working of the Act. The letter was remitted to the Provost's Committee.

At a meeting of the Exeter City Council the Market and General Purposes Committee reported that they had received a petition from the Exeter Association of Pharmacists making representations against the granting of licences. Consideration of the petition was adjourned pending the receipt of applications for the licence.

A letter, to which was appended the name and address of every registered chemist in business in Herefordshire "as already supplying or being willing to supply any agricultural or horticultural poison in reasonable demand in the county," has been forwarded to the Chairman of the Herefordshire County Council. It is pointed out that no further facility for obtaining these goods by issuing licences to unqualified persons seems necessary. A similar communication was addressed to the Mayor, Aldermen, and Councillors of Hereford City.

The Windsor Town Council considered on March 10 a letter from Mr. J. E. Everett, chemist, asking the Council not to grant any licences. Councillor Flint said he did not think it wanted a chemist to dispense sulphate of copper, and he did not see why they should be studied particularly. The Town Clerk having explained the terms of Section 2, the Mayor said chemists should not have the monopoly, and Councillor Stoneham said that if the sale was restricted to chemists they would not be doing much to encourage agriculture, and that would be a retrograde step. It trans-

pired that a local firm of ironmongers had applied for a licence. The matter was referred to the Health Committee.

The Aberdeen Pharmaceutical Association has sent to the Privy Council an exhaustive statement in regard to the draft regulations made under Section 2. In the course of this several suggestions are made for the alteration of the regulations with a view to their being more effective for the protection of the public. The Association is fortunate in having on its committee a pharmacist who has an exceptionally intimate and practical acquaintance with the agricultural and horticultural poisons trade, as well as with poison-law—viz., Mr. James Paterson—and the statement bears the impress of his counsel. It is desirable that other Associations which can speak from special knowledge of the subject should submit any suggestions they may have to make to the Clerk to the Privy Council within the next ten days.

### From the Public Press.

The "Boston Guardian" for March 6 treats of the "subtle points" concerning the chemist titles under the new Act. The following examples are worthy of mention:

Company chemists "may carry on business as pharmaceutical chemists under certain conditions, but they may not call themselves pharmacists. . . . We shall see more 'pharmacies' before long than has ever been the case before, but woe betide the company which dares to use the sacred word."

A special article entitled "The Pharmacy Act" appeared in the "Portsmouth Evening News" for March 8. The sale of agricultural and horticultural poisons, the revision of the poisons schedule, and the position of companies are dealt with.

The "Manchester Evening Chronicle" for March 10 deals with the Poisons and Pharmacy Act in a short article. Our contemporary's representative interviewed Councillor Harry Kemp, chemist and druggist, and a local medical practitioner. Councillor Kemp drew attention to the following points:

There were already more than sufficient facilities for obtaining poisons, and a mistake would be made in Manchester if the local authorities issued any licences. In the case of breakage and the escape of poisonous fluid or powder the chemist knew how to obviate the danger, but seedsmen and others could not be expected to know the necessary precautions.

The doctor gave it as his opinion that he would not allow the sale of poisons except "under a medical or other official order," and also that

Suicides would be less frequent if poisons could not be obtained, and he added that under the new arrangements a desperate man, knowing the chemist might not sell him poison, having no guarantee as to what he will use it for, can go to the seedsman or the seller of sheep-dip and purchase the commodity for his self-destruction.

### Pushing the Sale of these Poisons.

The Birkenhead and Wirral Chemists' Association has distributed the following circular to the thirty-eight chemists on the list of petitioners to the Birkenhead Town Council and Cheshire County Council against the issuing of poison-licences (*C. & D.*, March 13, p. 418), with the remark that the matter is under consideration:

Having gone thus far, it is of the utmost importance that you should stock a small quantity of these goods in ease you are asked for same. It has been suggested that our opponents (the manufacturers of these preparations, seedsmen, and ironmongers), who have been handling these goods in enormous quantities in the past, will take steps to test your assertion that you stock agricultural and horticultural poisons by making a series of calls on chemists, and should they be able to prove to the licensing body that there is difficulty in obtaining what they ask for, our efforts to retain our right to exclusively handle poisons will be defeated. The suggested stock to be kept on hand is a small quantity of each of weed-killer, sheep-dip, and nicotine.

Mr. James Robertson, chemist and druggist, St. Boswells, is sending out a neat card (4½ in. × 3 in.), printed in red, to notify his customers that all poisonous preparations for farm, kennel, garden, workshop, or home can be obtained from James Robertson, M.P.S., pharmacist, agricultural and dispensing chemist, The Pharmacy, St. Boswells. A general list of the preparations is given, and a more detailed one in smaller type fills up the foot of the card.



## Observations and Reflections.

By "Xrayser."

### Chemists Cannot be Blamed

for defending the position they have held in regard to the sale of poisons for forty years past. But the present is above all an opportunity for the manifestation of discretion. Heroics just now will win record in the journals, and perhaps some applause in local Associations, but they will not advance our trade interests. We are entitled by the express words of the statute to show that in our particular locality the reasonable requirements of the public are satisfied, and local authorities are bound to take any such representations into consideration. But vehement advocacy of our claim to be the public's beneficent protectors will only excite the rejoinder of "Monopoly," vocal or tacit. Let it be left to uninterested persons to urge the undesirability of multiplying the shops where poisons can be bought, and if no such voice of warning is raised by others the utmost chemists can themselves do is to suggest that the decision is a serious responsibility for the licensing body. It must have occurred to some observers that the appeals which have already been made to some Councils have been premature, and consequently mistaken. It is generally sound tactics to reserve ammunition until battle is actually joined. Chemists who are members of Councils will need an extra share of discretion when the adjudication on licences applied for comes on for consideration. In most cases they will best serve the interests of their class by comparative reticence. They can keep their colleagues right by an exact acquaintance with the law and the facts, but eager partisanship on their part will only excite resentment.

### It is only Just

to credit the two Government laboratories with exceptional intelligence and freedom from irritating officialism, as was done in the interesting description of their work published in this journal last week. Considering the extremely delicate character of the duties assigned to them, investigations which may often involve heavy imposts, and sometimes criminal charges, it is extraordinary how little is heard of these laboratories. Apparently their results are never publicly challenged. And this is not because the Excise has inherited a good name. The definition of the word by Dr. Johnson is historic. He gives:

Excise.—A hateful tax levied upon commodities and adjudged not by the common judges of property, but by wretches hired by those to whom excise is paid.

The chemists at the Custom House laboratory seem particularly desirous to make their part of the national business run smoothly. I heard of a case a few days ago in which, in response to an urgent request, they telephoned to Tilbury, got samples of a certain shipment sent to Thames Street, examined them, and sent back their report also by telephone, all in one morning. Mention is made in the same article of the powers entrusted to the Custom House under the Merchandise Marks Act. Trade-mark owners are not always the best judges of their own claims, but under this Act they can through the Customs occasion much inconvenience sometimes to innocent importers. It is right that the latter should know that when they have established their claim to goods which have been stopped in this way, they can recover reasonable damages for the detention.

### Pharmacopolis

wrote a letter which was printed in "The Lancet" of March 12, 1831, and which was reproduced in that journal last week among items of ancient history

gathered from its own columns, and by which P. regretted that a more efficient society for promoting pharmaceutical science did not exist, and proposed the establishment of a London Pharmaceutical Society with library, museum, and class room. It was to be for members of the medical profession. It is to be hoped that P. lived to see the realisation of his idea ten years later, and especially to perceive the irony of its execution, not by medical men but as an effective defence against the attempt of the medical profession to control and harass the business of chemists and druggists.

### The American Department Store

just opened in Oxford Street is going to teach us all the first principles of retail business, if we may rely on the narratives of enthusiastic journalists written just after dining with Mr. Selfridge. This modest gentleman, who is described by one daily gusher as "a streak of sunshine," assured his guests at the dinner aforesaid that it was not advertisements he was after, though he realised that his advertisements were just the most interesting things in the papers at the moment: only a handshake with friends and with those who work out of sight, and an opportunity to explain to them some of the principles of the "science of merchandising." For all his anxiety for our comfort and benefit we shall try to be duly grateful, though it may be confessed that we had not been feeling famishing for further facilities for dissipating our humble incomes. The peculiar condition of this store is that it springs into existence full grown, as it may be described. Not full grown, perhaps, in the view of the proprietor, who is no doubt dreaming already of expansions, but full grown in the sense that it has gone through none of the childhood experiences which founders of other big concerns are so fond of narrating. Is it

### A Healthy Sign

that a new, vast, and complicated business can thus be "established" without any of the early difficulties which we have become accustomed to regard as essential concomitants of development, simply by the bold expenditure of abundant wealth? Mr. Selfridge is said to be an organising genius. That may be the case. But he is also said to have a million sterling at his disposal. That is infinitely more important. A million pounds makes organisation very easy. This, then, is the experiment which we are called upon to watch. Mr. Selfridge proposes to prove that with a million pounds—this may not be the exact figure—he can purchase a position in the very front rank of London's businesses, without the bother of the fifty or a hundred years' history which we used to consider an essential preliminary. It is possible that this particular experiment is being attempted too late. London is very large and comprises among its residents some very rich people. But even in London one would think the supply of customers sufficient to keep all these mammoth stores going, and welcome any number of new ones, would come to an end some day. But whatever may be the fate of Selfridge's, it can hardly be disputed that modern customers are a very shifty and undependable lot; that their allegiance is not to be counted on; and that old associations, experience, qualification, and the "personality" to which we attach so much importance are all at the mercy of Capital. "Inquirer" asks in the Correspondence section, "What at the present day constitutes the goodwill of a business?" One factor is the absence of any temptation to capitalistic competition.

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On page 23

of this Issue.

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**Editorial Comments.****The Poor-law Commission Report.****III.—Dispensing of Prescriptions.**

"Drugs should be provided by the Guardians," said a Medical Officer of Health, "the doctor giving a prescription to be taken to the chemist. The poor would then get the drugs they need, and not what the medical officer thinks he can afford to give them on his diminutive salary."

THE above extract from the Minority Report bids fair to become historical as the only reference in the Report to chemists as such. It also emphasises one of the most striking of the minor features in the Report—the overwhelming evidence produced from all quarters as to the unsatisfactory character of the arrangement which still prevails in the majority of Unions whereby the medical officer is paid an inclusive salary and is required to provide all medicines. The remedy above suggested is what we have advocated for years as the only possible solution of the difficulty, and it is a curious fact that apparently from this one witness only did the Commission receive the suggestion.

The Commissioners trace the evolution of medical relief from the time when the term was limited to attendance and the inevitable "bottle of medicine," and when the post of medical officer was put up for competition among the local practitioners and given to the one who offered the lowest price. The Poor-law Board and their successors had to abandon this system, and replace it with salaried appointments, augmenting the medical officers' purely professional service with official dispensaries and salaried dispensers. These Poor-law dispensaries, with premises, drugs, and a salaried dispenser, have since 1867 been established in all London Unions except two, and by the



Guardians in a score of provincial towns. Contrary to expectations, the cost of providing them was found to be "extremely small," and from time to time the Central Authority have reported that the system had given satisfactory results, and "raised the standard and increased the efficiency of medical out-relief in the Metropolis."

"Unfortunately," say the Commissioners, "but few of the 650 Boards of Guardians have yet adopted the new policy, in spite of all the pressure the Local Government Board has exercised."

The term "medical relief" was originally defined as relief by surgical as well as medical attendance, and "medicine" as comprising "all medical and surgical appliances," to which there are exceptions. For about thirty years after the passing of the Poor Law Amendment Act of 1834, all medicines required were as a rule provided by the medical officer out of his salary, but, following the Report of a Select Committee in 1864, the Poor-law Board advised Guardians to exclude such medicines as cod-liver oil and quinine from the medical officer's contract, and to make other arrangements for their supply. This arrangement to supply "expensive medicines" has resulted in some curious anomalies—*e.g.*, the Minority Report says:

The selection of these drugs in this way seems, in view of altered prices and the changes in medical practice, somewhat out of date. Potassium iodide, for instance, is sometimes included, sometimes not. Diphtheria antitoxin is hardly ever supplied, though the Local Government Board has informed one Union that this may be done. One district medical officer found that he spent 8s. upon it for two cases only, so that the antitoxin is, in fact, hardly ever used for paupers. [It is often supplied free by the sanitary authority.—*EDITOR (C. & D.)*] The Local Government Board has lately declared, in answer to an inquiry, that not only the above, but also antiseptic surgical dressings, cocaine, phenacetin, trional, antipyrine, salicylate of sodium, tincture of digitalis, and serum preparations ought all to be included in "expensive medicines."

The Commissioners add that on different occasions the Central Authority have considered proposals for the establishment of "medicine-chests" or dispensaries in rural districts, but practical difficulties have been fatal to the proposals. In other country districts the difficulty of inaccessibility has been minimised by the medical officer carrying with him a stock of compressed medicines, or sending the medicines by the postman or by a messenger. The dangers of the present system are clearly shown by evidence from all quarters.

Much could be quoted from the evidence, but it will suffice to reiterate the attested evidence that the Local Government Board support the arrangement whereby a local pharmacist should dispense the medical officer's prescriptions. In the few Unions where the method is in use it has worked entirely satisfactorily for all concerned—for the medical officer, for the chemist, for the Guardians and ratepayers, and still more so for the patients. The difficulties of arranging a satisfactory scale of payment are not insuperable. The following scale in operation in one large Union has worked well for some years:

Mixtures in not larger quantities than 8 oz. ...	1/1. oz.
Ointments ... ..	2d. oz.
Liniments ... ..	2d. oz.
Suppositories ... ..	1s. doz.
Lotions ... ..	3d. oz.
Plasters ... ..	1½d. per 12 sq. in.
Pills: aperient and colocyth	
2d. doz.; other kinds, 3d. doz.	

For extras in addition to the foregoing the minimum wholesale price to be paid, *plus* 25 per cent., and payment for the bottle if provided by the chemist.

The chemist to provide a suitable poison-bottle for every case in which he is required to dispense poisonous liniments and lotions, at a charge not exceeding 2d. each bottle.

We urge this view for two reasons: (1) That even if the

system of provident dispensaries is brought into being it cannot possibly apply all over the country, for many reasons. The observations of the Commissioners suggest that they have partially appreciated this. They say:

The nature of the "dispensary" to be established in each area would vary with the nature of the district. In large and sparsely populated districts a room in a cottage, with a locked cupboard for drugs, might be sufficient. In a crowded area a complete building with waiting-rooms, etc., and a dispenser might be necessary; while in medium districts attendance at the doctor's own house might be preferred. The determining factor would be the distance to be travelled by the patient.

(2) That it accords with the main principle of their recommendation, on which there is general agreement, *viz.*:

We also consider that medicines should be directly provided by the Public Assistance Authorities, and, where this is impracticable, that some equitable arrangement should be made whereby the cost of drugs and medical appliances should be provided without forming a charge on the salary of the medical officer.

It by no means follows that the scheme as drafted will ever be made effective by legislation. The criticisms of the Minority Report are most destructive, and must carry considerable weight. Their strictures on out-patients' departments and club practice apply largely to any scheme of provident dispensaries. They say:

We are bound to conclude that to a large proportion of the patients dealt with [the out-patients' department] is, so far as any preventive or really curative effect is concerned, little better than a delusion. . . . "At present," summed up one experienced medical practitioner, "the out-patient department of the voluntary hospital is to a great extent a shop for giving people large quantities of medicine."

There is much more to the same effect, and sufficient suggestion in both Reports upon which a workable system can be established, which should enable physicians to diagnose and prescribe with efficiency, and the pharmacist to dispense without appreciating the rates materially. Whatever happens, it behoves chemists as a body to wake up to the fact that this question is one which touches their interests very closely and deserves more of their attention than it has hitherto received.

## Chemists and the Territorials.

We are glad to learn that the correspondence initiated by Major E. C. Freeman in our issue of January 23 regarding the need for qualified chemists as dispensers in the Territorial R.A.M.C. has begun to bear fruit. We pointed out at the time that chemists object to give their professional services as privates. In our issue of February 20, Mr. W. E. Clarke, of Surbiton Hill, who has had six years' experience of Volunteering, supported our contention and intimated that he was prepared to give the time and meet the expense if as a compounder he received a commission. A well-known Volunteer officer had his attention called to Mr. Clarke's letter, and was so struck with it that he had a conversation about the matter at headquarters, with the result that it has been decided to offer a certain number of pharmacists who are prepared to act as dispensers in the Territorials the rank of honorary lieutenant. Fifty pharmacists are wanted. Mr. Clarke has had several conversations with the officer on the subject, who has also been in communication with the Pharmaceutical Society, the President having promised, on Mr. Clarke's suggestion, to see the authorities about the matter. The arrangement does not provide for an immediate commission to all the fifty who may apply, but rapid promotion is promised. Thus Mr. Clarke, with six years' service to his credit, is offered a quartermastership at once, with the rank of honorary

lieutenant, and the same will be given to others—with preference, of course, to those who have the experience of Volunteering which is necessary for all who hold rank in the Army, both from the disciplinary and personal points of view. It is quite apparent from these facts that a good step in advance has been made, and we await the official terms of the arrangement with peculiar interest.

### Trade-mark Rights.

It has no doubt been observed that recently there has been a greatly increased number of applications for the registration of trade-marks in the classes of goods which pertain to pharmacy. It is a sign of the times. The object of affixing a trade-mark to an article is to distinguish the product from others of similar composition or uses. In the case of chemical and pharmaceutical products some are protected by patents, while in most cases the makers desire by a trade-mark to signify that they have specialised in a particular preparation. As the articles are advertised and sold under the registered titles, the reputation which they thus acquire is regarded as goodwill, the value of which the manufacturer is directly interested in maintaining. The incentive is thus obtained for keeping up the quality of an article or raising it when increased knowledge is obtained in manufacturing the product, especially in the case of chemical products. It is well known that no ordinary chemical is of 100-per-cent. purity, and that a chemical name is frequently applied equally to the substances of from 70 to 90 per cent. purity. In the case of complex organic compounds there is the additional liability to constitutional variation, which in some instances is only detectable by physiological action; so that from the medicinal point of view it is erroneous to assume that what may be called the "imitation chemical" is the same as the "original chemical." This is one reason why introducers of newly discovered organic compounds designate the products by protected names, the other being the well-recognised legal and trading axiom that the first discoverer is entitled to the fruits of his labour. The experience obtained in making a new compound places the inventor in an almost impregnable position as regards the best process of manufacture, and it is a striking fact that the maker of a special product can usually distinguish his article by tests, so that where another product is supplied in place of it there is seldom any difficulty in demonstrating the fact. A difference in purity carries with it a lessening of the medicinal activity, and from all points of view this is undesirable. There are numerous medicinal articles to which these observations apply—*e.g.*, Adrenalin, Veronal, and Vaseline—and the moral of the matter is that in supplying a supposed-to-be-similar article for one ordered by a specific and protected name, the supplier not only acts illegally, but may be the means of inducing detrimental results. The idea that encroachment on the rights of the owner of a trade-mark is not a serious offence is clearly a mistaken one, and, having regard to the business damage that a man experiences who has to defend himself in a legal action for passing-off, it can hardly be worth while to toy with such a dangerous subject.

### Impatiens.

The "Kew Bulletin" (1909, No. 1) contains as its first article a monograph by Sir J. D. Hooker, O.M., "On Some Species of *Impatiens* from Indo-China and the Malayan Peninsula," which is a remarkable refutation of the "too old at forty" argument. Here we have a man ninety-two years old comparing materials sent at his request from herbaria at Kew, the British Museum, Paris,

Berlin, Vienna, St. Petersburg, Holland, Edinburgh, New York, the Philippine Islands, Tribourge, and Le Mans, and carefully collating the thirty species indigenous to Indo-China and the Malayan Peninsula from the 330 Oriental species known to him. He conjectures also that each of the areas may be expected to contain twice as many species as have hitherto been collected in it, and further suggests that a rich field of research is offered by the various phases of anatomical structure of the leaves. Four new species are included in the twenty-seven specifically noted, of which no fewer than twenty-four species are succinctly designated "*Hk. f.*" The monograph thus affords monumental testimony to the mental activity of this remarkable botanist.

### Honouring Pharmaceutical M.P.s.

Two months ago the President and Council of the Pharmaceutical Society entertained Mr. T. H. W. Idris, M.P., and Mr. R. Winfrey, M.P., in acknowledgment of the services which these pharmaceutical Parliamentarians had rendered to the Council in connection with the Poisons and Pharmacy Act. It is now proposed by the London Chemists' Association that a public dinner embracing the rank-and-file of Metropolitan and provincial pharmacy should be given to Messrs. Idris and Winfrey, and this has been fixed for the day on which the Act comes into force—Thursday, April 1—at the King's Hall, Holborn Restaurant. The invitation has been accepted by both gentlemen, and other Parliamentarians from both Houses have promised to be present. The Earl of Crewe and Mr. Herbert Samuel would also have attended, we understand, but important political engagements will prevent them. The chair is to be taken by Mr. W. S. Glyn-Jones, Vice-President of the Association, and a number of prominent pharmacists have indicated their intention of supporting him in voicing the gratitude of the trade to Mr. Idris and Mr. Winfrey for their Parliamentary service to the craft in which they were reared. An event of this nature is practically unique in British pharmacy, and we think it will be generally agreed that the support should be commensurate with the opportunity. It is not a dinner of the London Chemists' Association, but of pharmacists, irrespective of class or association, and tickets for it (6s. 6d. each) may be obtained from Mr. Wellesley Douglas, 19 Kennington Terrace, Kennington Park, London, S.E.

### Westminster Wisdom.

(From our Parliamentary Representative.)

#### IRISH PHARMACY LAW.

We are informed that the negotiations, to which allusion has already been made in the *C. & D.*, are still proceeding between Belfast and Dublin in reference to the question of apprenticeship to limited-company pharmacists.

#### OPIMUM QUESTIONS.

In the House of Commons on Monday, March 16, questions were put by Mr. Rees and Sir Herbert Roberts in regard to the opium-habit, but they were of little drug-trade interest. Mr. T. R. Buchanan stated that he communicated the Opium Commission's recommendations to the Indian Government for consideration so far as they concerned India, and for report as to the action to be taken thereon.

#### RAT EXTIRPATION.

Sir Charles McLaren has this week introduced into the House of Commons, on behalf of the Society for the Destruction of Vermin, a Bill giving power to local authorities to take steps to systematically extirpate rats in an infested area. Power is also given to make good the damage done. It is computed that there are about forty million rats in this country, and that the annual damage caused is not far short



of 15,000,000%. This is on the assumption that a single rat does a farthing's worth of damage daily.

#### IMPRISONMENT FOR DEBT.

Mr. E. H. Pickersgill was on Tuesday re-elected Chairman of the Select Committee which is considering the question of imprisonment for debt. A brief discussion took place as to future procedure, and it was decided to meet again on Thursday, when the last two witnesses will be examined. One of these will give evidence as to the practice prevailing in the London Bankruptcy Court. At future meetings the Committee will proceed to the consideration of their report.

#### DEATHS UNDER ANÆSTHETICS.

The question of the number of fatalities which occur to persons while under the influence of anæsthetics again came before the Coroners' Committee which met on Tuesday, March 16. We understand that some remarkable evidence was tendered by certain teeth-extractors from Manchester showing that the percentage of deaths is absolutely infinitesimal—one death only taking place in many thousands of extractions. Evidence was also given by Professor Littlejohn, and an early witness will be Professor Pepper, the pathologist.

#### DAYLIGHT SAVING BILL.

The *personnel* of the Select Committee which is to consider the Daylight Saving Bill has now been agreed upon between the Whips. One of the most appropriate names on the list is that of Sir Benjamin Stone, the well-known Parliamentary photographer, who is provided by a grateful Government with a "dark-room"! The other members of the Committee are Sir Henry Norman, Colonel Sir Ivor Herbert, Sir Philip Magnus, Captain Morrison-Bell, Major Renton, and Messrs. Bennett, Haworth, Hayden, Kavanagh, Macpherson, Nicholls, Robert Pearce, J. Tomkinson, and Dundas White.

## Extending a Proprietary.

By Thomas Russell.

### XI.—How to Get a Pamphlet Read.

THERE are various ways of getting a pamphlet read. Of course, the best possible way is to write it so well that the reader cannot help going on with it. But short of the absolute genius required for this, ordinary people like you and I can employ a short cut to readableness. One of these is pictures. If you observe the ordinary person, the man in the street, when he has a copy of the "Strand Magazine" and opens it for the first time, you will notice one very curious thing about what he does. This is not something that certain people do, it is something that everybody does. He turns the magazine over from first page to last and looks at the pictures, and when he has gone over the pictures first to last and begins to read, *he reads first the story in which the pictures have provoked his curiosity*. Very well, then, let us put pictures in our pamphlet, and let us try to make those pictures pictures that will provoke curiosity and arouse interest.

Next to the use of pictures is the use of what advertisers call "carrying-matter." This means matter extraneous to the real subject of the pamphlet, printed to carry an advertisement on its back. If you give people a booklet which contains some information other than advertising, which they will be tempted to refer to and use, you are sure that the book will not be thrown away unread, as it would often be if it contained only advertising-matter. On the other hand, of course, the advertising-matter suffers from having some of the space occupied by carrying-matter, and from not being the main topic of the book. There is no doubt that the best book is the book that is strong enough to stand alone, and to be kept for its own interest. A little popular medical dictionary would make good carrying-matter for a chemist's pamphlet, and similar things can be thought of, but it is not my business to supply a list of them. Much better work will be done by the man who invents an idea for himself, and if we have no inventiveness we shall not make a success of advertising at all.

A pamphlet, in order to be read, must be properly printed, but this does not necessarily mean that it must be expen-

sively printed. The inside paper can be pretty cheap if the cover is right. The printer must be made to use for all headlines plain, legible type. He must not be allowed to indulge his taste for fantastic lettering. Let the type be large enough to be read easily, and bear in mind that legibility in type is largely a matter of spacing between the lines, and of the proportion which the size of the type bears to the size of the paper on which it is printed. The type in which *THE CHEMIST AND DRUGGIST* is printed would be eye-shattering if printed right across the page. It is easier to read divided into two columns. If *THE CHEMIST AND DRUGGIST* were only printed in one column, type probably three times the size now used would have to be employed.

Before ordering a pamphlet to be printed it is a good plan to obtain estimates from more than one printer, and if the quantity runs up to 15,000 or 20,000 or so, a large printer will often save the buyer a good deal, because his machinery enables him to print a big book cheaper than a small printer could print it. In asking for an estimate, specimens of paper should be sent to the printer, and the amount of matter indicated, as well as the size of the book. In order to calculate the number of pages that will be required we must count our words. After we have got the words down to the minimum, decide how large a page we will have in our pamphlet, and try to form an estimate of the sort of type that ought to be used. The way to do this is to cut a piece of paper to the size, or to about the size, we would like for our book, and then look through some old books or newspapers for a page or a piece of type of a suitable size. Then we can cut a rectangle of this type, and lay it upon the piece of paper representing the size of the page in the pamphlet, not forgetting that the page of the pamphlet is not entirely covered with type, but has a white margin. After a few experiments of this kind we shall see what kind of type ought to be used and how it ought to be placed on a page. A specimen of the type should be sent to the printer.

In asking a printer for an estimate, ask him to make a "dummy" of the nearest economical size to the size indicated; paper folds to certain well-defined sizes and shapes, and if we get away from the standard shapes the paper will cut to waste. In comparing the prices submitted by the different printers the dummies also should be compared, in order to see whether the papers are the same in all the estimates, and if there is a variation fresh estimates should be got on uniform papers.

## Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

MR. W. A. DAVIES is giving up business at 79 Victoria Street, Dowlais.

MR. MALCOLM NICHOLSON, chemist and druggist, has closed his premises at 315 Hope Street, Glasgow.

THE SHEFFIELD DRUG CO., LTD., have closed their business at King Street, Sheffield, the premises being now to let.

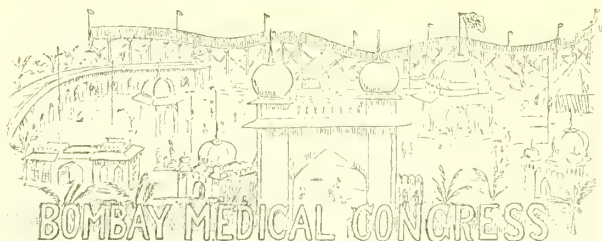
MR. EDWARD TAYLOR (late manager for Mr. R. Mountain, of Rawtenstall and Bacup) has commenced business as a chemist at 44 Market Street, Bacup.

MESSRS. LEWIS & BURROWS, LTD., have added a special surgical showroom to the new premises at 253 Brompton Road, London, S.W., to which they removed in October last.

MESSRS. FRENCH & PLUCKNETT, 7 Mincing Lane, London, E.C., announce that Mr. William Mackay, who has been associated for many years with E. Boustead & Co., of London, and Boustead & Co., Singapore, has been admitted a partner in their firm.

BOOTS CASH CHEMISTS, LTD., have purchased one of the shops, with three floors above, in the Crescent now under construction opposite the Golder's Green terminus of the Hampstead, Highgate, and Charing Cross Railway. It will be opened in a month or two as a branch of the company.

THE "B.C. Pharmaceutical Record" says the *C. & D. Diary* for 1909 "is just the book for the retail druggist's desk—a daily companion—one to which he can turn for information with the assurance of finding it."



ON Monday, February 22, a Medical Congress and Exhibition were opened in Bombay by the Governor, Sir George S. Clarke, G.C.I.E. The Congress has been looked forward to by medical practitioners in the East with great interest, as it presented an exceptional opportunity for the consideration of those diseases that are peculiar to the East as well as the conditions which favour the propagation of tropical diseases. The meetings of the Congress were held in the Bombay University Library, the Convocation Hall, and in the Exhibition grounds, which were situated between Queen's Road and Mayo Road. The sketch which forms the heading of this article gives a general outline of the exhibition arrangements, and is reproduced from "The Advocate of India." Among those who were present at the Congress were Professor Ronald Ross, of Liverpool. Professor Musgrave, of the U.S.A. Medical Service in the Philippines, and Captains Ford, Nichol, and Jones, also of the U.S. Army; Professor Shiga, of Japan; and Dr. Van Loghem, of Sumatra—to each of whom at the opening meeting the Governor presented the commemorative medal of the Congress. Many of the papers read dealt with cholera, malaria, and the plague, and a public lecture was given by Major Ronald Ross, F.R.S., on "Malaria" in the Empire Theatre on the evening of February 22, which was illustrated with lantern slides. His paper on "The Sanitary Officer and Malaria," read to the Congress, was remarkable for its clear exposition. In the course of it he advocated, *inter alia*, general distribution of quinine in badly infected areas. He based his recommendations on this subject upon his experience in Mauritius, and said:

I must insist on the following rule:

If you wish to influence the disease seriously by quinine you must deliver it at the houses of the poor, either for nothing or for a very small payment.

This is not really expensive; and we should proceed as follows:

Select the most malarious area at hand and appoint a trustworthy dispenser for the work. Give him a large wallet full of assorted quinine pills and direct him to deliver them from house to house to all who wish to take them. Moreover, enough of the pills to suffice for a daily dose (say, 5 grains for the adult) during a fortnight should be given. In this way the dispenser can visit, say, fifty houses a day, and as he needs to visit each house only once a fortnight, he can generally deal with five or six hundred houses. A large and severe epidemic at Phoenix, in Mauritius, was absolutely cut short in two months last year by this procedure, combined with drainage. For the whole of Mauritius, with its population of 375,000 and its spleen rate of 34 per cent., I advised five such dispensers, costing only Rs. 6,000 per annum, exclusive of the quinine. This organisation practically sums up what can be usefully done in the way of public quinine prophylaxis in the tropics.

Among the papers on the plague read in Section 2, over which Surgeon-General H. Hamilton, C.B., presided, was one by Professor Kitasato, which Professor Shiga read. In this emphatic evidence was produced that the rat-flea is the carrier of plague infection. This paper was followed by communications from English and Indian medical authorities on the same subject. A great deal was said in the course of the Congress regarding snake venom, and in Section 3 there was a series of papers, beginning with one from Sir Lauder Brunton, M.D., "On Water Supplies." Dr. John C. Thresh, of the London Hospital, was one of several contributors of papers.

### The Exhibition

was both professional and popular. One of its main objects appears to have been to familiarise the Indian public with the most recent developments of sanitary science, and it is probable that what was exhibited in this connection may

be the means of awakening the vast Indian populace to the need for domestic reform in these matters. The Exhibition was organised by a committee, of which the leading members on the commercial side were Messrs. Chas. White (representative in India of Messrs. Burgoyne, Burdidges & Co.), Chas. B. Robinson (Messrs. Thomson & Taylor), Wise, and Ramchandria. Mr. White was also a member of the Congress Council, and the only representative of pharmacy on it. He acted as the Secretary of the Exhibition Committee, and high praise was accorded to him by Sir James Muir Mackenzie, K.C.I.E., for the work that he had done when in England last year to secure exhibits. The Exhibition resembled in many respects those held in connection with the annual meetings of the British Medical Association. It included a pathological section, surgical furniture, and sanitary appliances of all kinds, besides pharmaceutical products, and while the Congress was sitting the public were excluded. Then there was a formal opening on Friday, February 26, by Sir George S. Clarke, the Pathological Section having by this time been closed. Sir George Clarke afterwards walked round and inspected all the stalls, and showed an interested appreciation of all that was described to him by the gentlemen in charge of the exhibits. The Exhibition was very like a miniature White City, and it proved a great attraction. Most of the exhibits were displayed in a series of stalls placed in a semicircular ambulatory forming one end of the Exhibition buildings, and others were in special kiosks placed in the grounds. Throughout the week, when medical men only were admitted, those in charge of the stalls had a very busy time in interviewing the doctors. Our Bombay correspondent describes the exhibits in the following paragraphs:—

The Alembic Chemical and Drug Co., Bombay and Baroda, are importers of heavy drugs, and made a good exhibit of them, besides a splendid display of chemicals and perfumery. They also devoted a table to physical and chemical apparatus.

Allen & Hanburys, Ltd., London, exhibited only surgical instruments, of which they made a magnificent display, and their representatives were kept busy booking orders.

The Anglo-American Pharmaceutical Co., Ltd., London, exhibited Huxley's Syrup or Nervigor and their other special pharmaceutical preparations, including compressed tablets representing in small bulk the active constituents of Huxley's Syrup, and other products of the firm, which are well known in this country. Their Crème-de-Luxe tooth-paste attracted considerable attention. On this stall also there was a display of glyco-thymolin, Mr. M. A. J. Noble being in charge.

Odol was exhibited by Messrs. Bertie-Smith & Co., the Bombay agents, who on the outside of their stall showed the bottles of "Odol," and inside was an immense pyramid of it. The same firm also made a nice display of the Pasteur-Mallie filters.

Burroughs Wellcome & Co., London, had one of the prettiest and most tastefully decorated stalls in the Exhibition. It was in charge of Messrs. Long and Davis, their representatives in India and China, who seemed to be well known to most of the medical men attending the Congress. It was observed that the Governor was particularly interested in this stall. The exhibit comprised a complete representation of the firm's products and was shown to much advantage.

William Cooper & Nephews, Berkhamsted, had an attractive stall under the management of Mr. H. S. Tosh, their representative in the East.

Grimault & Co., of Paris, are represented in this part of the world by Messrs. V. C. Dastur & Co., Princess Street, Bombay, who made an excellent show of French pharmaceutical products, a qualified medical practitioner being present during the Congress to explain their nature and use.

Horlick's Malted Milk occupied two stalls, under the charge of Mr. W. H. E. Houghton, the representative for India, Burmah, and Ceylon.

Johnson & Johnson, New Brunswick, N.J., occupied Stand 38, where their "J. & J. Red Cross Absorbent Cotton" was specially prominent. When our correspondent called the representative in charge was busy explaining to several medical men what absorbent cotton should and should not be, and just how it should be packed to be kept surgically clean. After he was free the J. & J. man showed our correspondent Synol soap—so much in evidence that it hit the eye: but the surgical requisites, such as ligatures, lint, and dressings, were also well displayed, and a model operating theatre in the grounds was stocked with these products.

The Maltine Manufacturing Co. and Carnick's Food Co.



had a prominent kiosk, close to the main entrance, which was in charge of their local agent. At this kiosk doctors were freely supplied with samples of the products of the two companies.

S. Maw, Son & Sons, London, have showrooms in Bombay and Calcutta in charge of their agent, Mr. James Wright, who, with the assistance of a member of the London staff (who went out to Bombay for the purpose), had arranged at the Exhibition a selection of the latest surgical instruments manufactured by the firm in London, as well as a good display of antiseptic dressings in sealed tins and in compressed form. Among the surgical instruments exhibited was a set for minor operations fitted into a nickel-plated steriliser, forming a compact case for the pocket. There was also a series of sterilisers for elastic gum catheters, sounds, and lithotrites, as suggested by Mr. Herbert T. Herring, M.B., B.S.; a portable focus lamp for ophthalmoscopic work; Crouch's microscopes and objectives (as supplied to the Army Medical Service); a new form of flushing cystoscope; W. Bruening's instruments for direct laryngo-tracheo-bronchoscopy and oesophagoscopy; incubators for the determination of opsonic indices; water-driven centrifugal machine; high-pressure sterilisers for dressings; dry iodised catgut (as supplied to the Army Medical Service); and compressed dressings and sanitary towels.

E. Merck, Darmstadt, had one of the most attractive exhibits in the grounds, and the huge vases of crystalline chemicals were specially a source of great interest to Indian medical men and visitors generally. The exhibit was arranged by their Bombay agent, Mr. E. Gohner, and it comprised chemical reagents, synthetic drugs, fibrolysin, quinine salts, vegetable extracts, and chemical specialities in powder and tablet form, besides tablets for urine testing and "perhydrol." A water-analysis case, suitable for doctors or medical officers who have to determine in the course of their work whether the water-supply of any village or district is suitable for domestic purposes, was much admired.

Henri Nestlé and the Anglo-Swiss Condensed Milk Co., Vevey and London, displayed their products in a kiosk.

The exhibit by Newton, Chambers & Co., Sheffield, was arranged by the local agents, Messrs. Thomson & Taylor, Bombay and Poona. When Sir George S. Clarke, the Governor, was going through the Exhibition on February 26 he spent a few minutes at this stall and inquired about the origin of Izal and its properties. Mr. James Welch, who had charge of the stall, gave his Excellency all the information he desired.

Oppenheimer, Son & Co., Ltd., London, had an exceedingly varied exhibit under the direction of Mr. M. A. J. Noble, their representative in India, who naturally put in the forefront the cream-of-malt preparations, which are extensively used there. "Palatinoids" and "Pulvorettes" were also well represented, besides the firm's other products and serums from the Pasteur Institute of Paris, including Indian plague-serum, a plague-curative which is being largely used throughout India at present. For distribution at the Congress Messrs. Oppenheimer printed a report of Dr. Khan Bahadur N. H. Choksy on "Renaglandin in the Cardio-Vascular Paresis of Plague."

Paranjape Athalye & Co., of Soman Building, Girgaum, Bombay, exhibited veterinary surgical instruments and appliances, and aseptic cabinets were a prominent feature of this exhibit, but not more so than the model horse in "slings," which are much used in India consequent on the frequent illnesses with which horses are afflicted.

Parke, Davis & Co. made quite an extensive display, embracing standardised liquid extracts, adrenalin preparations, cascara compounds, chloretone, taka-diatase preparations, germicidal soap, codrenine, thermofuge, a full line of palatable preparations, tablets, capsules, and the products of the house generally. The medical profession manifested great interest in the display of new products, such as antigenococcic serum, lactone tablets, and bacterial vaccines, prepared under the supervision of the Director, Sir Almroth E. Wright, M.D., F.R.S. Antitoxins were also represented.

Pearson's Antiseptic Co., Ltd., London, exhibited among other products a new disinfectant-fluid, "Hycol," which is a homogeneous tar-fluid, having a carboic-acid coefficient of 19 as regards bacillus typhosus. They also exhibited "Caryosol," an intestinal antiseptic combining eugenol and albumin, which Dr. S. G. Kinloch, of Huddersfield, has found to possess curative properties in the treatment of pulmonary tuberculosis. The company's agents in Bombay are Messrs. Tothill, Sharp & Co., but the exhibit was in charge of Mr. Thos. Dawson, who represents the company as traveller for India and the Far East.

N. Powell & Co., of Girgaum Back Road, Bombay, made a good display with a series of stalls of scientific apparatus and aseptic furniture for the surgery, the latter being produced in their own premises at Byeulla. The firm have an extensive connection throughout India as hospital furnishers,

more than 300 civil and military hospitals having been entrusted to them for furnishing. One of the most striking exhibits they made was an operating-table of special design, in which solidity was consistently associated with adaptability for the different conditions and positions required by the operating surgeon. They also exhibited a complete operating-theatre.

The St. John's Ambulance Association exhibited through Mr. H. G. Clark, Hon. Secretary of the Bombay Presidency and Indian Stores Depot.

The Sanitas Co., Ltd., London, made an excellent display of their antiseptic and disinfectant preparations through their agents, Messrs. Tothill, Sharp & Co.

Southall Bros. & Barclay, Ltd., Birmingham, divided their prettily draped stall into three sections—the section to the left containing "A1" cod-liver oil, castor oil, and olive oil, which are taking on particularly well in India, besides a selection of compressed tablets, capsules, pills, and counter specialities. The centre section was devoted to sanitary preparations for women, which have an enormous sale in India. The right section of the exhibit contained surgical dressings, so displayed as to show the various stages of manufacture from the raw cotton to the final product, and this proved to be of intense interest to the native visitors.

Frederick Stearns & Co., Detroit, Mich., exhibited, through Messrs. N. Powell & Co., Stearns' wine of cod-liver oil, "Tritipalm," "Vibutero," and "Kasagra," samples of which were handed or posted to medical men. The exhibit also contained specimens of the firm's other galenic and physiological products.

Thacker & Co., Ltd., Bombay, exhibited a series of books on tropical diseases, etc., published by nearly twenty firms, and at the request of the Governor they had compiled a selected list of such books for distribution to the members of the Congress.

William Treacher & Co., manufacturing and wholesale chemists, Bombay and Poona, as agents for Jeyes' Cyllin preparations and disinfectants, exhibited these products in a remarkably tasteful manner, and the display also included pharmaceutical preparations and compressed tablets made in their own factories, and fine chemicals, surgical and aseptic furniture of English manufacture; also physical and chemical apparatus and many other surgical and pharmaceutical goods which they import.

The Waterbury Chemical Co., whose kiosk is shown in the photograph reproduced, were represented at the Exhibition



by Mr. F. C. Waterbury, the president of the company. This stall was devoted to metabolised cod-liver oil compound.

Mr. C. H. Zeal, London, had a well-arranged exhibit of clinical thermometers.

There was also a good exhibit of Virol, and although Messrs. Burgoyne, Burbidges & Co. had no special show in the Exhibition, their office, with views of their new chemical, pharmaceutical, and research laboratories is situated close to the Grand Entrance to the Exhibition. "It is," says a reporter, "an exceedingly pretty structure in which their representative receives his numerous friends and holds his court throughout the day."

**GUM COPAL.** The growth of Antwerp as a market for copal is testified by the following figures relating to imports: 1908, 1,689,091 kilos.; 1907, 1,214,789 kilos.; 1906, 927,432 kilos.; and 1905, 797,961 kilos. Prices in 1908 did not, of course, escape the influence of the commercial depression; they ruled steady until August, when complete stagnation caused a decline of about 10 per cent.

# Winter Session of Chemists' Associations

## Association Presidents.

THE TOWN OF KEIGHLEY has one of the comparatively recent Chemists' Associations, and although containing less than a



MR. A. S. DEAN.

score of members, that is more than the number of pharmacists in business in the town. This year's President is Mr. Arthur Shiers Dean, Ph.C., whose venture into pharmacy was built on a taste for chemistry fostered while he was at school. His birth and home influence ought to have taken him into engineering, for he is the only son of Mr. Joseph Dean, who was for thirty years the senior partner of Messrs. Dean, Smith & Grace, machine-tool makers; instead he was apprenticed to Mr. Henderson, chemist, Ilkley. At the end of his pupilage Mr. Dean entered the Northern College of Pharmacy, Manchester, passed the Minor examination on October 4, 1894, and, continuing his studies, passed the Major a year later. He then came to London for West-end experience, which he got in the pharmacy of Messrs. J. & H. Matthews, Queen's Gardens, Hyde Park, W., after which he was for some time an assistant with the late Mr. Joseph Roberts, Newcastle-on-Tyne. He then settled in Keighley, his pharmacy being at 40 Low Street. He has successfully combined optics with pharmacy.

## Brief Records.

**Paper-making.**—Thirty members of the Edinburgh Chemists' Assistants' and Apprentices' Association visited the Inveresk Paper Mills, Musselburgh, on Wednesday evening, March 10. The officials explained in a most interesting way the various processes from the dusting of the esparto grass to the cutting of the finished leaf of a magazine.

**"Photography in Natural Colours"** was the title of a lecture which Mr. W. J. Hallett gave before the Bath Pharmaceutical Association on March 11. The lecturer gave a technical description of the Lumière colour-plate and showed a collection of lantern-slides by Mr. Child Bailey. Mr. E. W. Loveless was in the chair, and votes of thanks were given to Mr. Hallett and the lanternist.

**A Dundee Hal-holiday.**—The Dundee and District Chemists' Assistants' and Apprentices' Association held a meeting on March 5 to consider the half-holiday question. It was unanimously agreed that the only solution is to close the shops on Wednesdays at three o'clock for the rest of the day. As a result, reply postcards have been sent to all the chemists in the town asking them to express their opinion on the subject before March 18. Mr. J. S. Whyte, of Arbroath, Hon. President of the Association and President of the Forfarshire Chemists' Association, was present at the meeting, and opened the discussion, speaking in favour of such a scheme as that which was ultimately agreed to.

**Lancaster Chemists' Association.**—The annual general meeting of this Association was held on March 11 at the King's Arms Hotel, the President (Mr. W. Arkle) in the chair. Those present included Messrs. Troughton, Vince, Angus, Shattock (Secretary), Taylor, Cuthbert, Bate, Gorst, Jackson, Whinneray, Porteous (Carnforth), and Parker (Morecambe). Messrs. Nicholson (Carnforth) and Hankinson (Grange) were elected members of the Association. The Secretary was congratulated on the annual report presented to the meeting, and satisfaction was also expressed when the Treasurer (Mr. R. S. Angus) presented his financial statement for the year, showing a balance in hand. After votes of thanks had been heartily accorded to the retiring officers they were unanimously re-elected. Matters pertaining to the Poisons and Pharmacy Act were afterwards discussed.

**Newcastle-on-Tyne Pharmacists' Association.**—The monthly meeting of this Association was held on March 10 in the Hôtel Métropole, Clayton Street West. Mr. Clague presided. There were also present Mrs. Clague, Mr. and Mrs. McClumpha, Messrs. Gilderdale, Cubey, Pescod, Russell, Gibson, Dean, R. U. Low, Wyatt, Wray, Gray, Kerse, Wright, Atkins, Noble, and Napier. It was agreed, on the motion of Mr. Jas. Gibson, to substitute the word "pharmacists" for "chemists" in the title of the Association. Communications from the Grocers' Association and also the Chemists' Defence

Association, Ltd., having been considered, Mr. W. Wyatt, Ph.C., delivered a lantern-lecture on "British Poisonous Plants." He mentioned various districts in which he had found some of the plants he dealt with. The subject of the lecture was divided into flowering-plants, cone-bearing plants, ferns, mosses, liverworts, and fungi. A vote of thanks was accorded Mr. Wyatt for his interesting and instructive lecture.

**Patent Medicines.**—The members of the Huddersfield and District Chemists' Association discussed, at the meeting on Tuesday evening, March 16, the sale of patent medicines (a) as they affect public health; (b) are chemists rendering useful public service and employing their training to the best advantage in the public interest by handling these goods? Messrs. Wood, Hadfield, Broadbent, Spurr, Cooper, Walshaw (President), and Armitage (Secretary) took part in the debate, and the opinion expressed was that medical officers of health ought to turn their attention to the vending of many patent medicines, which, the members said, are detrimental to the public health. The German system of insisting on the composition of these medicines being stated was commended. [There is no such system in Germany.—EDITOR C. & D.] It was announced that Mr. Armitage had resigned the secretaryship, and Mr. J. Cooper, Marsh (Huddersfield), was requested to act in his stead until the annual meeting.

**Agricultural and Horticultural Poisons.**—At a meeting of the Ashton-under-Lyne and District Chemists' Association on March 11, Alderman J. Avison (President) in the chair, a discussion on Section 2 and the draft regulations took place. The Secretary was instructed to write to the Privy Council requesting the insertion of a provision in the regulations for public notification to be given when applications for licences are made to the licensing authorities. It was also decided to acquaint the local licensing bodies with respect to preventing the granting of licences in the neighbourhood. At a meeting of the Birkenhead Chemists' Association at 24 Brighton Street, Liscard, on March 11 (Mr. F. C. Cooling presiding over a very satisfactory attendance), further discussion on the new Act took place, in the course of which it was mentioned that the Privy Council had been approached with reference to the suggestion that the draft of the regulations made under the Act should be rectified by some provision being inserted which would entitle chemists to be heard (either in person or through a legal representative), before the town or county council grants licences to seedsmen, ironmongers, etc. Also that it should be made obligatory upon those authorities to give public notice of the time and place when applications for such licences would be considered and objections to them heard. An extract from the circular which the Hon. Secretary has sent to all his fellow petitioners will be found on p. 456.

**West Ham Association of Pharmacists.**—The annual meeting was held on March 11 at Earlham Hall, Forest Gate, London, E. Mr. W. R. Barnes (President) in the chair. Communications were received from the Town Clerk of West Ham and the Pharmaceutical Society referring to Section 2 of the Poisons and Pharmacy Act. It was resolved to communicate with the Essex County Council on the same subject. The Hon. Secretary then read the annual report, and the balance-sheet was also submitted. These were approved of. Mr. Henry Soper was then elected President, Mr. W. R. Barnes Vice-President, Messrs. Blades, Cleland, Matthews, Mitchell, Potter, and Seed members of the committee, and Mr. J. E. Evans Secretary and Treasurer. The retiring officers were thanked for their services during the past year. The name of the Association was altered to "West Ham and District Association of Pharmacists." The subject of Sunday opening was mentioned, but deferred.

**Western Chemists' Association.**—At the meeting held at the Restaurant Frascati on March 17, with Mr. R. L. Whigham in the chair, the subject for the evening was the Pharmaceutical Defence Union, Ltd., introduced by Mr. E. T. Neathercoat. A good attendance was present when Mr. Neathercoat outlined the origin and objects of the P.D.U., and at the termination of the discussion a resolution of support was passed. During the discussion the new objects suggested for the consideration of the directors of the Union were: The suppression of secret remedies, by Mr. J. T. Barrett; a crusade against dispensing by medical practitioners, by Mr. C. A. Cofman; and the great danger in the future of the compounders' certificates (Apothecaries' Hall, etc.) for which some sort of recognition is sure to be claimed. Mr. White also pointed out that the chemist himself is the great offender in the sale of proprietary medicines and quack remedies, and that reformation must come from within our own ranks.



**The Annual Meeting of the Oxford and District Chemists Association** was held at the Golden Cross Hotel, Oxford, on Wednesday, March 10. There was a good attendance. The Hon. Secretary and Treasurer read the annual report, which showed that there had been an increase on the average attendance, and that the balance in cash was in excess of past years. The report and balance sheet were adopted on the motion of Alderman Clayton, seconded by Mr. J. A. R. Burbank. Mr. John Dolbear asked the members to accept his resignation as Hon. Secretary and Treasurer. The resignation was accepted with regret, and Alderman Clayton moved that the best thanks of the Association be given to Mr. Dolbear for his services during the past nine years. He said that Mr. Dolbear had largely helped to maintain the interest of the members in the Association, thus securing their regular attendance at the meetings. Other members having expressed themselves in similar terms, it was resolved that an appreciation of Mr. Dolbear's services be recorded in the minutes. The following appointments were then made: President, Mr. John Dolbear; Vice-Presidents, Mr. C. Bellamy and Mr. H. C. Gunstone; Hon. Secretary and Treasurer, Mr. H. C. Goodall; with Messrs. Burbank, Court, Palmer, and Todd on the committee. A hearty vote of thanks was accorded to the retiring President (Mr. Gunstone), and the remainder of the evening was spent in discussing topics of interest.

**Optical Advertising.**—At a meeting of the British Optical Association, held at 66 Russell Square, London, W.C., on March 17, an interesting discussion took place on "Decadence in Optical Advertising." The chairman was Mr. Oxbrow, who does not advertise, but prefers that "men should make their way to the front from sheer merit." Mr. J. H. Sutcliffe (Secretary of the Association) referred to the numerous objectionable advertisements that are submitted to him from all parts of the Kingdom. Comparing the advertisements issued now with those of fifteen years ago he said the present are of a lower character. He gave examples of bad taste in advertisements, and mentioned the bad effect such literature has upon the regard of the medical profession for opticians in general. Mr. M. Allison (of "The Times") dealt chiefly with the necessity of advertising. Members of the Stock Exchange are even clamouring to be allowed to advertise. The man who writes advertisements for "The Times" earns 5,000*l.* a year. Mr. Allison then recounted a conversation which Mr. Hooper had with Mr. Pearson. The last-mentioned being told that 40,000 copies of the "Times" Encyclopædia were sold, said, "But you don't mean to tell me that the British public needed so many?" "No, they didn't," was Mr. Hooper's reply. Mr. C. Hyatt-Woolf ("The Optician") was the next speaker. He referred to the necessity of enthusiasm in advertising and the need for dignity in expression. The element of suggestion is often wanting. The vulgar expression "doctor of refraction" is quite unsuggestive to the public. Mr. Aitchison, another speaker, could not see any "decadence" in optical advertising, considering that it is only of late years that the practice has arisen. He endeavoured in his advertisements to educate and interest the public. After further discussion the Chairman summed up, and the meeting closed.

**Aberdeen Pharmaceutical Association.**—The seventy-first annual general meeting of this Association was held in Robert Gordon's College on March 3. Mr. James Spence (President) occupied the chair. There was a good representation of members present. The annual report was submitted, showing that the membership had increased by three during the year, while the attendance at meetings had been fully maintained. The Association approved of several suggestions for alteration of the draft regulations under Clause 2 of the Poisons and Pharmacy Act, and remitted the matter to the Executive Committee to complete and forward to the Clerk to the Privy Council. It was reported that copies of the Formulary from the B.P.C. published by the Association were almost sold out, only twenty-eight being left. They are sold at 1*s.* each, and may be had on application to the Secretary of the Association. The Treasurer's report showed the financial position of the Association to be sound and well maintained. Office-bearers for session 1909-10 were elected as follows: President, Mr. Robert Leslie; Vice-President, Mr. David Anderson; Secretary, Mr. W. F. Hay, 29 Rose Street; Treasurer, Mr. James Paterson; and Auditor, Mr. James Spence. A vote of thanks to the retiring President (Mr. Spence) closed the meeting.



MR. R. LESLIE.

### Chemists and Druggists' Society of Ireland.

The annual general meeting of this Society was held on March 11 in the Society's Rooms, 11 Waring Street, Belfast. After tea Mr. Samuel Gibson, J.P., the President of the Society, took the chair and welcomed the visitors. The company enjoyed a pleasant evening at game and in friendly chat. Mr. John Frackleton's gramophone selections added to the enjoyment of the evening.

### Manchester Pharmaceutical Association.

A MEETING of this Association was held at the rooms of the Chemical Club, Victoria Hotel, on March 10, Mr. G. S. Woolley in the chair. There were about thirty ladies and gentlemen present. Dr. O. V. Darbishire, Botanical Department, Manchester University, delivered a lantern lecture on "The Importance of Fungi in the Economy of Nature," the lantern-slides being of a particularly striking character. The interdependence which exists between green plants and fungi was dwelt upon by the lecturer. He showed how the latter, by decomposing the dead vegetable matter of the leaves and branches shed by the former, resolve these into simply inorganic substances, which can then be absorbed by the roots of green plants. But for the action of fungi and bacteria this food material could not be produced, and the soil would become choked up with dead organic matter. In some cases it was shown how this association of lower with higher forms of plant life was mutually beneficial; while in other cases the fungi actually attack the tissues of the living plant, thus causing disease, and even the death of the tree. This part of the subject proved of special interest, in view of the present agitation about the sale of poisonous preparation for the destruction of the organisms which infest plants and produce disease, and was listened to with much attention. Some discussion followed, and a vote of thanks to the lecturer, proposed by the President, and seconded by Mr. J. C. Kidd, was carried with acclamation.

The President then reported the action which had been taken by the Council of the Association with regard to the granting of licences by the local authorities for the sale of poisonous preparations for horticultural and agricultural purposes. Nearly 140 chemists in Manchester and Salford had, in reply to the circular sent out, signified their willingness to sell such preparations, and lists of these with their business addresses were sent to the Town Clerks of Manchester and Salford.

Mr. Bates brought forward a proposal to hold a smoker at the annual business meeting in April.

### Portsmouth Pharmacists' Association.

THE first regular meeting was held at the Grand Jury Room of the Town Hall, Portsmouth, on Wednesday, March 17, at 3.15 p.m., Mr. T. H. Cruse (President) in the chair. There was a big muster of members.

**NEW MEMBERS.**—The following were elected members: Miss Elsie Hooper, Ph.C., Mr. Coats (Portsmouth), and Mr. A. E. Batchelor (Fareham).

**ADVANTAGES OF ASSOCIATION.**—Before proceeding with the agenda the President mentioned some advantages to be gained from association, and suggested matters which might profitably engage their consideration. First they became mutually acquainted. Then they could look after trade interests and perhaps might agree to earlier closing. Some of them enjoyed the luxury of a half-holiday, some did not. He was sure the pharmacist was too much the victim to the onerous demands of the public, who made an unreasonable call on his time, and he did not see how the Daylight Saving Bill would help the man who spent fourteen hours a day on duty. (Laughter.) Then there was the question of forming a buying association, also fixing prices; and although he had not had much experience of these matters personally, he trusted the Association would not exist to do nothing.

**POISONS AND PHARMACY ACT.**—A ten minutes' review of this Act was given by Mr. Thomas Poetlethwaite. He explained the Act section by section, advising his hearers carefully to study the new Poisons Schedule to see how it affects them in their individual transactions. They should be careful to put their own house in order, this being especially important if they were to take any action regarding Section 2. If the unqualified licensee were kept strictly to the regulations imposed, his licence would not

be conducive to his peace of mind. Certificates of qualification were also touched upon as well as the probability of popularising the title "pharmacist." The advantages to the Major man are not apparent in Section 3, he said, and there is little inducement to take the higher course. The subsequent discussion was entirely relative to Section 2, and various proposals were submitted with the object of keeping the sale of poisonous substances in the hands of members.—Mr. P. P. Davies (Havant) thought that Mr. Postlethwaite, in giving such prominence to this section, was making mountains of molehills, and in the event of his local authority being applied to for a licence he would oppose it in the name of the Association.—It was agreed that pharmacists in business who do not stock dips and weed-killers would do so at once, and this action would materially support the arguments of a deputation appointed to interview the local licensing authorities, and to convince them of non-necessity of granting licences.—Mr. Postlethwaite was thanked, and, in replying, he congratulated the Association on the advance made, since the last time local chemists considered an abortive Pharmacy Bill they were obliged to go under the wing of the Southampton Association.

#### North Staffordshire Chemists' Association.

A MEETING was held at the Roebuck Hotel, Stoke-on-Trent, on Thursday, March 11, Mr. Edmund Jones (President) in the chair. There were also present Mr. Weston Poole (Newcastle-under-Lyme), Vice-President and Treasurer; Mr. T. Bentley (Stoke), Hon. Secretary; Mr. T. C. Cornwell, Mr. F. C. Burrell, and Mr. E. Corner (Hanley), Messrs. W. B. Allison and W. Tipper (Stoke), Messrs. J. B. Bades and G. Cope (Leek), Mr. F. W. Wrench (Silverdale), Mr. J. H. Bates (North Staffs Infirmary), Mr. A. Fernley (Burslem), Mr. F. F. Graham (Smallthorne), Mr. W. H. Kemp (Fenton), Mr. W. D. Edge (Wolstanton), and Mr. Griffiths. The principal business of the meeting was an address by Mr. James Crier, Ph.C., M.Sc., of Manchester, on

#### THE EDUCATION OF THE PHARMACIST,

as it will be influenced by the new Act. Mr. Grier had a hearty reception after his introduction by the President, and proceeded in a pleasant way to refer to the hopes that have been raised by the new Act, and he compared what is being said now with what was said in 1868 when the Pharmacy Act was passed. He touched upon the lost hopes—in fact, gave an admirable historical review of pharmacy during the past forty years—then alluded to the directions in which the scientific qualifications of the pharmacist may be utilised outside the mere selling and dispensing of drugs. He also spoke of the demand that exists for specialised education in various callings (instancing grocers), and showed how University colleges have sprung up all over the country, as well as a great number of technical schools. These places, he said, are properly equipped, and the teachers sufficiently capable men to teach the elementary science which the pharmacist requires. He thought that students in the craft should make use of these places for acquiring the knowledge of elementary science which is essential. It would be an absurd anomaly if grocers go to such places to gain the knowledge they require, and if the pharmacist is content to go to "private schools which have no educational standing in the country." Apprentices should attend local technical classes during their apprenticeship, and some arrangement should be come to whereby the Pharmaceutical Society should accept the educational certificates of such schools. After referring to the late Mr. Baden Benger's proposals and the official scheme outlined in the 1880 Bill, Mr. Grier examined minutely Section 4 of the new Act, and emphasised his point that in future the study of the pharmaceutical apprentice ought to be so co-ordinated that if, as time went on, he found he would like to leave pharmacy and enter some kindred calling, he might be in a position to do so without the necessity of having to go over the whole of his work again. He concluded by giving an outline of the pharmaceutical course at Owens College.

A long discussion followed, in which the President, Mr. Weston Poole, Mr. T. C. Cornwell, Mr. Griffiths, Mr. Bates, Mr. Corner, and Mr. Tipper took part, and after Mr. Grier had replied he was heartily thanked.

## Festivities.

### Evans Dinners.

On the occasion of the annual meeting of Messrs. Evans, Sons, Lescher & Webb, Ltd., the directors met the departmental heads and travelling staffs, both of London and Liverpool, at dinner in the Reform Club, Liverpool, on Friday evening, March 12. Mr. John J. Evans presided over a company of seventy-eight, and Sir Edward Evans



and Mr. W. P. Evans were in the vice-chairs. Mr. D. W. Bole, President of the National Drug and Chemical Co., of Canada, Ltd., was the principal guest of the evening, and the cartoon representing him and Mr. J. J. Evans is reproduced from the illustrated souvenir-programme. Mr. Bole is the spectacled gentleman. Throughout the proceedings were most harmonious and enjoyable.

### Exeter Supper.

THE annual supper of the Exeter and District Association of Pharmacists was held at the Rougemont Hotel, Exeter, on Wednesday, March 17. Mr. H. Wippell Gadd, the President, is suffering from influenza, and his father (Alderman Henry Gadd, J.P.) presided, Mr. J. Harris (Vice-President) being in the vice-chair. There was a representative company present. The loyal toast having been musically honoured, the Chairman proposed "The Pharmaceutical Society," to which Mr. P. F. Rowsell replied, and in the course of his remarks gave some particulars of the work done on the Pharmaceutical Council, of which he is a member. With respect to the new Act, he said that the certificate of qualification required by Section 3 seems to have opened a field for controversy; but viewing the difficulties to be met—for example, men who have no certificates, etc.—he thought the decision of the Council on this matter had been a wise one. Mr. T. Tickle also responded. Mr. H. D. Davey, President of the Plymouth Association, proposed "The Exeter Association," and spoke of the value of such bodies in the promotion of personal and general interests. Mr. F. W. Vinden (Hon. Secretary) replied. Mr. J. Harris (Hon. Treasurer) submitted the toast of "The Visitors," and Mr. Barge (Plymouth), Mr. Cannon (Plymouth), and Mr. F. Donald Wilson responded. Mr. J. Hinton Lake proposed "The Officers," and Mr. C. R. M. Clapp (Hon. Solicitor) replied. Mr. D. Reid proposed "The Supper Committee," and Mr. T. C. Milton responded. The health of "The Chairman," proposed by Mr. J. W. Lake, was drunk, and the company separated with the singing of "Auld Lang Syne" and "God Save the King."



**Whist.**

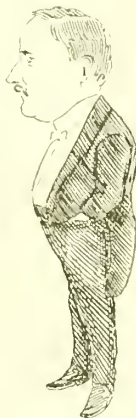
The annual whist-drive of the North-East Lancashire Association was held at the Criterion Café, Darwen, on March 11. The M.C.s were Mr. W. H. Lomax and Mr. J. R. Jepson, both of Darwen, and the prize-winners were: Gentlemen—1, Mr. E. B. Catlow (set of fancy vest buttons); 2, Mr. Barnes (pocket-pencil). Ladies—1, Miss Holt, Blackburn (silver-mounted hair-tydy); 2, Mrs. J. R. Jepson (silver hat-pin). Refreshments were served, and at the close a hearty vote of thanks was accorded to the Darwen chemists for the arrangements they had made.

**Harrogate Pharmaceutical Association**

had a successful dinner at the Wellington Hotel, Harrogate, on Thursday evening, March 11. Mr. T. E. Handford (President) was in the chair, and among those present were Mr. Harcombe Cuff (London), Mr. Day (Dewsbury), Mr. Beacock (Leeds), Mr. Atkinson (York), Mr. Bennett (Malton), Mr. Spiegelhalter (Stockport), Professor Jefferson, Mr. Granville Shaw, Mr. C. B. Southwell (Hon. Secretary), Mr. G. Weston (Hon. Treasurer), Mr. Atkin-



MR. HANDFORD.



MR. C. E. J. EYNON.

son (York), Mr. G. Fenn, Mr. C. E. J. Eynon, Mr. Lambert Foster, Mr. A. Atkinson (Harrogate), Mr. Shaw, Mr. Woodhead, Mr. Harper, Mr. A. Wood, Mr. G. Pattison, Mr. Halliday, Mr. Ridge, Mr. Tweddles, Mr. A. More, Mr. Hines, and Mr. J. R. Kirk. After dinner and the loyal toasts the Chairman submitted the toast of "The Pharmaceutical Society," which was responded to by Mr. Har-



MR. WESTON.



MR. SOUTHWELL.

combe Cuff (London). The other toasts were: "Kindred Associations" by Mr. Weston, reply by Mr. Beacock and Mr. Atkinson (York); "The Harrogate and District Pharmaceutical Association" by Professor Jefferson, reply by Mr. C. E. J. Eynon; "Our Ladies" by Mr. A. Wood, response by Mr. G. Pattison; "The Visitors" by Mr. G.

Fenn, reply by Mr. Granville Shaw; and "The President" by Mr. Southwell. Excellent music was rendered by Mr. Atkinson, Mr. L. Foster, Mr. G. Weston, Mr. Hines, Mr. Harper, and others, and Mr. Granville Shaw gave lightning sketches.

**Liverpool Chemists' Association.**

A CONVERSAZIONE was held at the Royal Institution, Liverpool, on Thursday evening, March 11, the President and Mrs. Wokes receiving guests in the reception rooms of the Institution from 7.30 to 8 o'clock, and a busy time they had in acknowledging the compliments of a large assembly of ladies and gentlemen. Promptly at 8 o'clock a most entertaining musical and dramatic programme was discoursed for an hour, following which was a short interval for refreshments, for introductions to new friends, and converse with old associates. Thereafter, in the lecture-hall, Dr. Llewellyn A. Morgan immediately caught and held the absorbed attention of his audience with his lantern-lecture entitled "Summer and Winter Visits to the English Lakes." During the evening Messrs. Ayrton, Saunders & Co., Ltd., gave interesting demonstrations of glass blowing and the mystery attending the manufacture of much glassware of daily demand in pharmacy was blown away. The exhibition of microscopic slides by Dr. Symes and Mr. J. Humphrey Jones was also much admired. This entertainment marks a new era in the activities of the Association which is acclaimed with universal acceptance.

**Isle of Thanet Chemists' Association.**

THE fourth annual dinner was held at the Queen's and High Cliff Hotel, Margate, on March 11. Mr. James Hewlett (President) was in the chair. He was supported by Mr. A. E. Hobbs (Tunbridge Wells), Mr. J. W. Stainer (Folkestone), Mr. W. G. Sutcliffe, F.R.C.S., Mr. Tamplin, L.R.C.P. and Mr C. N. Layman. Among those present were Messrs. Arrowsmith, Bessant, Baily, Evans, Eastland, Gale, Gibbs, Harrie, Keene, Laybourne, Pavey, Pearce, Rosser, Seymour, Skitt, Weston, and Woolls. After dinner and the loyal toasts, Mr. G. M. Arrowsmith gave "The Pharmaceutical Society," to which Mr. Hobbs responded. In the course of his speech Mr. Hobbs explained that the principal cause of his opposition to the Bill was the procedure adopted in the promotion of the Bill by the majority of the Council. As a member of the Executive of the Society, he considered that he was not justified in delegating the trust placed in him to one member of the Council, even though that member was the President, assisted by the permanent officials. In his opinion the procedure was so opposed to the vital principle of constitutional government that he felt bound to oppose it, and so far had not altered his views. He had been asked to give some guidance respecting the provisions of the Act, and in complying said:

One question raised concerned the certificate for exhibition. The verdict had gone forth from the Council that two certificates would be recognised, and this implied that no others would fulfil the requirements of the Act. He did not support that view, but, owing to the ruling at the meeting of the Council, the question was decided in committee, and only the decision of the majority reported. He considered that it was much to be regretted that a certificate of registration was not specifically mentioned in drafting the Bill, if that was intended. Such a certificate, if renewed annually, would be of immense value in keeping the register accurate, and even a compulsory annual registration with a nominal fee would be no hardship to the qualified individual. As the Act stated "certificate of qualification," however, there could be little doubt that in the minds of most people some existing form or forms of certificates of qualification were intended by the Act, which it was felt that every registered person had at some time possessed. The Acts of 1852 and 1868 clearly indicated and sanctioned certificates of qualification, to be given by the examiners, and these certificates have been given to successful candidates to show that their skill and ability were sufficient to qualify them to carry on the calling of a chemist with due regard to the public safety, and also to be placed on the register. The decision of the Council made no reference to these certificates of qualification, but Mr. Hobbs stated that in his opinion they undoubtedly fulfilled the requirements of the Act, provided the name of the person on the certificate, and the address at which the certificate was exhibited, corresponded with the current issue of the register. He regretted the encouragement of the use of the

membership certificate for the purpose of complying with the Act, as he was very undesirous of seeing it exposed in any, let alone every, drug-store in the country; he felt strongly that such a practice would largely depreciate its value to the individual proprietor of a business. . . . Mr. Hobbs also referred to the need for correct labelling of poisons with the name of the actual seller, and stated that in his opinion the practice of labelling with the trading name only must be discontinued, except in the case of a corporate body. He considered that in such a place as the Isle of Thanet, where chemists are so get-at-able, licences under Section 2 would be unnecessary.

Mr. E. Bailey then submitted the toast "The Medical Profession," and alluded to the cordial relations existing between medical men and pharmacists in Thanet. Mr. Sutcliffe, who responded, amused his audience with reminiscences of his early days as a would-be chemist. He said that when Mr. Bernard Shaw was comparing medicine with the law, and showed how under the present system medical men have to try the prisoner and execute him, he must have had in his mind the dispensing doctors.

Mr. Stainer proposed the toast "The Isle of Thanet Chemists' Association," and Mr. H. R. Gibbs (Hon. Secretary) replied, stating that, although during the past session the Association had consistently opposed the new Act on a question of principle, they would now loyally support it, and do their utmost to comply with its requirements. "The Chairman" was proposed by Mr. D. T. Evans, and duly acknowledged. The menu was in the form of a long Latin prescription. The excellent musical programme was under the able direction of Mr. V. Woolls.

#### Eastminster Pharmacists Dine.

THE annual dinner of the West Ham Association of Pharmacy was held at the London Tavern, Fenchurch Street, London, E.C., on March 11. Mr. W. R. Barnes (the retiring President) was in the chair, and there were present, among others, Alderman John Brooks, J.P. (Mayor of East Ham), Mr. R. A. Robinson, L.C.C., Alderman H. W. Littler, J.P. (Mayor of West Ham), Mr. T. Tyrer, F.I.C., Mr. C. B. Allen, Ph.C., Mr. F. W. Truman (London Chemists' Association), Mr. A. Boyes (Messrs. Baiss Bros. & Stevenson, Ltd.), Mr. C. Martin (Messrs. S. Maw, Son & Sons), Mr. T. R. Williams (Messrs. Wright, Layman & Umney, Ltd.), Messrs. Butler and Pirrie (Camwal, Ltd.), Mr. Present (Messrs. Sangers), Mr. J. Macvie Hill (Messrs. Burroughs Wellcome & Co.), Mr. A. D. Baker (Messrs. James Townsend & Sons), and Mr. E. T. Neathercoat (Thames Valley Chemists' Association). After the toast of "The King," Mr. R. A. Robinson proposed that of "The Houses of Parliament." He referred to the Poisons and Pharmacy Act, and said that in future the word "pharmacist" will be taken by the public as an indication of a man specially trained in pharmacy. There was no member of Parliament present to reply. Alderman J. Brooks proposed the toast of "The Pharmaceutical Society," and gave some of his personal experiences as Mayor of East Ham. People come to his shop, for instance, to purchase a pennyworth of pills and ask him in his Mayoral capacity to pay out the brokers or lend them money for the week's rent. Mr. C. B. Allen replied. He regretted the absence of Mr. Walter Hills through ill-health, but was pleased to hear that a stay at Sidmouth is improving Mr. Hills' health. Mr. Allen then spoke of his twenty-five years' service on the Council of the Pharmaceutical Society, mentioning the interesting fact that the Society in that time have produced

#### Forty Pharmacy Bills,

"not one of which ever had the slightest chance of becoming law." The Government Poisons and Pharmacy Act contains provisions which will be to the advantage of the younger generation of pharmacists, and the Society intend to take full advantage of the provisions of the Act. Mr. T. Tyrer next gave the toast of "The West Ham Association of Pharmacy," and referred to his long connection with the district, which is, he stated, the largest manufacturing district in Great Britain. The accessibility of the borough is a point which has been of advantage to West Ham; but, Mr. Tyrer said, the moral side of the district is capable of improvement. He mentioned that Mr. Barnes, the President of the Association, was formerly a clerk with Dunn & Co., the predecessors of the company of which Mr. Tyrer is managing director. Mr.

Tyrer also noted the introduction of the word "pharmacist" by THE CHEMIST AND DRUGGIST in 1861. Mr. Barnes (the Chairman) replied, and said that the credit of the year's work was largely due to Mr. J. E. Evans, the Hon. Secretary, who is untiring in the interests of the Association. The membership is not so large as it might be considering the large district covered. Mr. Barnes then read an interesting letter from Mr. Walter Forbes, a former hon. secretary, who resides with the Universal Brotherhood at Point Loma, California. At the speaker's suggestion a collection was made on behalf of the Pharmaceutical Society's Benevolent Fund. This resulted in contributions amounting to 4l. 6s. Mr. J. H. Matthews (Vice-President), in giving the toast of "The Visitors," referred to Mr. Littler's scheme of uniting the Essex boroughs and district councils into a city to be known as "Eastminster." Mr. Matthews complained of the want of courtesy which chemists had experienced from the West Ham Borough Council in regard to the Shops (Early Closing) Act. Alderman H. W. Littler replied, and intimated his thanks for the expressions of approval with which his scheme for the city of Eastminster had been received. The West Ham Corporation is the pioneer in the supplying of electricity for use in electro-chemistry. The Corporation has been endeavouring to create a better feeling between manufacturers and the municipality, and he was glad to hear Mr. Tyrer's remarks on the advantages of the district for chemical manufacturers. Mr. Littler added that West Ham contained the smallest proportion of public-houses in regard to the number of inhabitants of any manufacturing district in Great Britain. At intervals during the evening songs were sung by Mr. H. C. Ashby and Mr. Douglas Spratt, Mr. Edgar Burdett being the accompanist.

### Information Wanted.

Inquiries for the names and addresses of manufacturers, or other trade information, not traceable by reference to the advertisement-pages of "The Chemist and Druggist" and the "C. & D. Diary," or not filed in our private register, are inserted here free of charge. Postcard or other replies to any of the subjoined inquiries (addressed to the Editor "The Chemist and Druggist," 42 Cannon Street, London, E.C.) will be esteemed.

- 247/3. Mosquito Soap, where obtainable?
- 242/46. Makers of or agents for "Sonalax."
- 242/46. "Pearl" mineral waters: where obtainable?
- 245/25. Where can "Chlorizine Iodine" be obtained?
- 240/258. Makers of or agents for "Jacquernot's Perfumes."
- 239/64. Where can "Pocetin" or "Pocitin" be obtained?
- 242/59. Manufacturers of Professor Huxley's "Hypogastric Ceinture Belt."
- 243/63. Manufacturers of or agents for "Jacquernot Rose" (Coty) perfume.
- 247/4. Agents in this country for rubber gloves made by the Miller Co., of Ohio.
- 232/18. Source of supply of "Favourite" brand cachets, and Heinrich Baensch feeding-cups.
- 235/22. Present addresses of Slater Bros., surgical instrument makers (late of 2 Dyer's Buildings, Holborn, W.C.).

### Recent Wills.

The dates in parentheses refer to the issue of "The Chemist and Druggist" in which the deaths of the testators were reported.

MR. JAMES BEALE, Stoke Newington, N., representative of Barron, Harveys & Co., Giltspur Street, E.C., left estate of gross value of 337l. 10s. 4d. (C. & D., February 27, p. 336.)

MR. DAVID HIRST, chemist and druggist, Chapel Allerton, Leeds, and late of Holbeck Bridge, left estate valued at 4,170l. 2s. 11d. gross, with net personalty 2,293l. 19s. (C. & D., February 6, p. 220.)

MR. PETER POLDING, chemist and druggist, Wigan, who died on February 6, aged seventy-nine years, left estate valued at 8,562l. 2s. 8d. gross, with net personalty 8,510l. 13s. 6d. Mr. Peter Roberts, druggist, Ashton-in-Makerfield, and Mr. G. W. Polding, Parbold, Lancs, have obtained probate.



## Trade Report.

**NOTICE TO BUYERS.**—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

### 42 Cannon Street, London, E.C., March 18.

THE volume of business continues of that restricted character which has so far marked this year, and there seems little hope of an early improvement until the Balkan trouble and the Budget are out of the way, while the proposed changes in the United States tariff afford another excuse for poor and unsettled markets. The bulk of the price-changes this week favour sellers, these including an advance in Japanese refined camphor. Norwegian cod-liver oil has sharply advanced, but at the close is distinctly easier. Lemon oil, too, is firmer, and bergamot oil to a less extent. Glucose and starch powder have advanced. Slight appreciations have also occurred in agar-agar, blue-flag root, senega, taraxacum, spot shellac, West Indian nutmegs, and mace. Spices are tending upwards owing to the proposed 50 per cent. *ad val.* duty in the U.S.A. Citric acid and copper sulphate have declined. Ammonia sulphate is firmer, and the only alteration of note in fine chemicals is a reduction of 3*d.* in codeine and salts. The changes of the week are summarised as follows:

Higher	Firmer	Easier	Lower
Balsam Peru	Agar-agar	Citric acid	Codeine and salts
Camphor	Ammonia sulphate	Copper sulphate	Turpentine
(Jap. ref.)	Bergamot oil		Varnish
Cod-liver oil	Blue flag root		gums
(Norw.)	Mace		
Glucose	Nutmegs		
Lemon oil	(W.I.)		
Starch powder	Senega		
	Shellac		
	Taraxacum		

### Cablegrams.

**BERGEN, March 18:**—The cod-fishing shows some improvement in the West Lofoten district, and the market for finest non-freezing cod-liver oil closes at 67*s.* per barrel f.o.b., or equal to 70*s.* 6*d.* c.i.f. terms.

**NEW YORK, March 18:**—The drug-market is dull. Opium is neglected but quotably unaltered at \$4.35 per lb. for druggists'. Central and South American copaiba is firm at 50*c.* per lb. Jalap is unsettled at 30*c.* per lb. Peppermint oil is steady and unaltered at \$1.45 for Wayne County in tins. Cascara sagrada is also steady at 8*c.*, and hydrastis (golden seal) is firm at \$1.80.

**ACID, CITRIC,** is again easier, second-hands offering English at 1*s.* 6*d.*, the quotation from makers being nominal. Foreign make is also 1*s.* 6*d.*

**ACID, TARTARIC,** unlike citric, is very steady and in fair demand at 10½*d.* for English and at 10¼*d.* for foreign.

**AGAR-ACAR** is firmer, a good business having been done at up to 1*s.* 10*d.* for No. 1 Kobe strip.

**ALCOHOL.**—The German Centrale have advanced the price of rectified potato-spirit by 5*m.*, which makes it equivalent to about 1*s.* 1*d.* per proof gal. c.i.f. London, or rather over 1*d.* above the London parity for English rectified spirit.

**ALOES.**—The *Carisbrook Castle* has brought forty-five cases from Mossel Bay.

**BALSAM, PERU.**—Holders in Hamburg are asking equivalent to 6*s.* 3*d.* per lb. c.i.f. London; on the spot a little could be had at 6*s.* 5*d.* also.

**BLUE-FLAG.**—This root, which is in somewhat short supply, is offered at 9½*d.* c.i.f. terms.

**BECNU.**—The *Carisbrook Castle* has brought fifty-nine packages, the bulk of which are for transhipment to New York.

**CAMPHOR (CRUDE).**—China for March-April shipment has been sold at 136*s.* c.i.f. terms.

**CAMPHOR (REFINED).**—Japanese is firmer, spot sales of 2½-lb. slabs having been made at 1*s.* 7*d.*, and to arrive near at hand at from 1*s.* 5¾*d.* to 1*s.* 6*d.*; 1-oz. have been sold at 1*s.* 6½*d.* to 1*s.* 7*d.* spot.

**CARDAMOMS.**—About two hundred cases have arrived this week.

**CASCARA SAGRADA** is a dead letter so far as this market is concerned, but the American market is reported a shade firmer.

**CHILLIES.**—Firm. At auction 108 bags of Sierra Leone were bought in at 50*s.* for good, and for 15 bags of fair Nyasaland the buying-in price was 55*s.*

**CINCHONA.**—At auction in London on Tuesday 472 packages Ceylon bark were offered, of which 178 packages sold at the unaltered unit of 2½*d.* per lb.; *succirubra* original stem chips and branch, 3½*d.* to 1¼*d.*; hybrid quilly chips, 5½*d.*; root ditto, 3½*d.*; and small dusty shavings, 1½*d.* per lb. The shipments from Java during the first half of March amounted to 171,000 Amst. lb., against 350,000 Amst. lb. last year and 305,000 Amst. lb. in 1907. The auction to be held at Amsterdam on April 1 will consist of 8,878 packages *Ledgeriana*, hybrid and robusta, 830 cases, and 786 bags *succirubra*, or 10,494 packages in all, weighing 921,938 kilos. The stock in first hand at Amsterdam on March 11 consisted of 5,236 packages Government and 19,505 packages private bark, or 24,741 packages in all.

**CINNAMON.**—At auction 44 bags of Ceylon chips were bought in at 2½*d.* for ordinary and at 2¼*d.* for 30 bags of small dusty Java.

**CLOVES.**—At auction 20 bales of Zanzibar were bought in at 5*d.* for good bright, and at 1*s.* for 12 cases of fair picked Penang. Privately, business includes February-April shipment at 4½*d.* to 4¾*d.* and March-May at 4¼*d.* to 4¾*d.* c.i.f. d/w.; for delivery June-August has been sold at 4½*d.* to 4¾*d.*, and August-October at 4½*d.* to 4¾*d.*. At the close 5*d.* is asked for Zanzibar on the spot, and 4½*d.* c.i.f. for March-May shipment. In the new American tariff it is proposed to levy an *ad valorem* duty of 50 per cent. on spices, which are now largely on the free list, and holders here have raised their prices in view of possible American buying.

**COCA LEAVES.**—At auction at Amsterdam on April 1 195 packages Java, weighing 11,221 kilos., will be offered.

**CODEINE.**—The makers have reduced the price of codeine and salts equivalent to 5*d.* per oz., and now quote pure crystal and pure precip. at 10*s.* 10*d.* per oz.; hydrochlor. and sulphate 10*s.*, and phosphate 9*s.* 2*d.* nett cash; 70-oz. contracts for delivery over six months are quoted 5*d.* less. Contracts are booked subject to the falling clause on undelivered balances.

**COPPER SULPHATE** has declined 5*s.* to 7*s.* 6*d.* per ton. Liverpool brands offering at 18*l.* 12*s.* 6*d.* per ton spot and forward.

**CORRANDER.**—At auction 50 bags of English were bought in at 22*s.* per cwt.

**DRAGON'S-BLOOD.**—There have been no arrivals, added to which only medium and ordinary qualities of Singapore lump are now left in first-hands, good and fine having been cleared off the market.

**ERGOT** remains firm at 1*s.* 4*d.* for Russian and 1*s.* 4½*d.* for Spanish on the spot.

**GINGER.**—Quiet. At auction 94 cases and 405 bags of Cochin and Calicut were bought in, comprising bold and medium native cut at 75*s.*, medium and small at from 53*s.* to 55*s.*, brown rough at 40*s.*, and washed Cochin at 40*s.* per cwt. Privately the sales in Liverpool include 350 bags of Sierra Leone at 29*s.* per cwt., ex quay, in transit.

GLUCOSE has advanced about 5*d.* per cwt., American liquid offering at 12*s.* 1½*d.* per cwt. ex wharf London for March-May delivery.

GUM ARABIC.—New crop of Soudan sorts is offered at 29*s.* per cwt. c.i.f., being firmer, and in East Indian 31*s.* 6*d.* c.i.f. has been paid for No. 1 Ghatti to arrive.

HONEY.—The first arrivals of new crop Jamaica honey will be offered next week to the extent of between 150 and 200 packages.

INSECT FLOWERS.—The present prices quoted for insect flowers are extremely high as compared with previous years, as the following current rates (for not less than ton lots) show :

Mar.	Open	Half-open	Closed	Finest Wild
1909	96 <i>s.</i> 6 <i>d.</i>	114 <i>s.</i> 6 <i>d.</i> to 119 <i>s.</i> 6 <i>d.</i>	147 <i>s.</i> 6 <i>d.</i>	152 <i>s.</i>
1908	51 <i>s.</i>	61 <i>s.</i> to 68 <i>s.</i>	84 <i>s.</i> to 97 <i>s.</i>	110 <i>s.</i> to 116 <i>s.</i>
1907	48 <i>s.</i> 6 <i>d.</i>	58 <i>s.</i> to 69 <i>s.</i>	80 <i>s.</i> to 94 <i>s.</i>	114 <i>s.</i> to 120 <i>s.</i>

It is said that prevailing prices are unreasonable and exorbitant, and that if the large buyers would hold off and buy as little as possible more normal rates would prevail in the near future.

LEMON JUICE.—Business has been done in English at 1*s.* 5½*d.* per gal. in quantity, small parcels being obtainable at 1*s.* 6*d.*

LIME JUICE.—Good pale raw West Indian, such as was sold last week, is available at 1*s.* 3*d.* per gal.

MACE was 1*d.* to 2*d.* dearer in auction, 13 packages of West Indian realising from 1*s.* 8*d.* to 1*s.* 9*d.* for good palish, 1*s.* 6*d.* for fair red, and 1*s.* 3*d.* for broken; 21 packages of Java sold at from 1*s.* 6*d.* to 1*s.* 7*d.* for fair curly red.

MENTHOL continues very quiet, Kobayashi offering at 7*s.* 2*d.* to 7*s.* 3*d.* spot, and Suzuki at 7*s.*, while for arrival the former brand is quoted at 7*s.* c.i.f.

NUTMEGS.—At auction 210 packages of West Indian sold at steady to ½*d.* per lb. higher rates, but for 33 packages of Singapore, offered without reserve, prices were cheaper.

OIL, ANISEED, STAR.—The spot price is unaltered at 4*s.* 5*d.*, and for arrival business has been done at 4*s.* c.i.f. terms.

OIL, BERGAMOT.—The demand for bergamot in Sicily is reported to be good and the market has advanced. Indeed the latest advices report a somewhat excited market owing to reported damage to the trees by strong gales. Sellers have therefore taken advantage of this opportunity to raise their prices, and there being a steady demand this has caused a very difficult situation, several holders being unwilling to give quotations until the position is clearer. In London agents quote from 18*s.* 6*d.* to 20*s.* 6*d.* f.o.b. and from 19*s.* to 20*s.* c.i.f. according to brand, and on the spot values are about 20*s.* per lb.

OIL, CASSIA.—Easier, with spot prices nominal at about 4*s.* 6*d.* for 80-per-cent. to 85-per-cent. c.a., and 4*s.* 5*d.* for 75-per-cent. to 80-per-cent.; for shipment 80-per-cent. to 85-per-cent. is quoted 3*s.* 6*d.* c.i.f., with buyers at 3*s.* 4*d.*

OIL, COD-LIVER.—There has been a little spurt in the market this week, which appears to be partly based on poor fishing and the fact that a firm who recently sold at low prices for export to the United States have been trying to cover their requirements, and in consequence refiners in Norway suddenly stiffened their attitude by advancing their quotations about 5*s.* per barrel, finest brands of new oil offering at 72*s.* 6*d.* to 75*s.* c.i.f., these prices being nominal, however; but on Wednesday there was a reaction, business being done on that day at from 70*s.* to 73*s.* c.i.f., according to brand, and to-day there are offered at slightly less. On the spot sales of cheap parcels of 1908 oil have been made here and there at 60*s.* upwards. Our Bergen correspondent writes on March 15 that the fishing at Lofoten was favoured by good weather last week, but there was no tangible improvement, and in many places it was very poor, especially in East Lofoten. People are now giving up hopes for a large catch. If up to the present time the catch is considered satisfactory, it is mostly due

to places outside Lofoten. To-day's official statistics for the whole of Norway give the following results :

	1909	1908	1907
Catch of cod (millions)	16.5	15.2	9.2
Yield of cod-liver oil (barrels)	16,853	20,640	8,810
Livers (hect.)	6,496	5,571	4,950

The yield of livers, as well as the percentage of oil in the livers, is decidedly decreasing. This is by no means unusual at this time of the year—in fact it is but natural. Last year it may be remembered that the livers and percentage of oil continued good throughout the season. It now requires (March 15, 1909) 330 to 400 fish with an oil percentage of 47 to 51 to yield 1 hect. of liver, whereas on the same date of 1908 it only required 250 to 310 fish with an oil percentage of 50 to 57. During the week prices rapidly advanced, reaching a figure equal to 74*s.* c.i.f., but this was the top figure, and at 73*s.* several parcels were sold. To-day the market is somewhat quieter, owing, it is said, to reports that there is a chance of fishing at Ystnesfjord, a narrow fjord facilitating fishing in two ways—viz., that there is no long rowing or sailing, the work being unhindered by bad weather. The exports from Bergen up to date is 2,752 barrels, against 1,878 barrels at the same time last year.

OIL, LEMON.—Most agents are asking higher prices in view of the advance in Sicily, from 3*s.* 6*d.* to 3*s.* 9*d.* c.i.f. and 3*s.* 8*d.* f.o.b. Messina being a few of this week's quotations for shipment; spot prices are firm at from 4*s.* to 4*s.* 6*d.* An advice from Palermo, dated March 9, states that the upward movement (reported in our previous issue) was mostly caused by requirements to fulfil February contracts, and that the position would soon slacken down after the turn on the month. This has not been the case, however; on the contrary, the firmness of sellers, instead of causing a stoppage of the demand, appeared to force more buyers to cover their requirements, and this not only in Sicily, but in some parts abroad as well. The demand has therefore been more active during the last few days, causing consequently still greater firmness on the part of sellers and an advance in price. Since the above writing, advices dated March 13, report a further strengthening in the position, and sellers in consequence are still more reserved, while the demand, both locally and from abroad, remains persistent. This favourable tendency is likely to continue, as sellers formerly considered the prices ruling as out of proportion to the actual position of the article.

OIL, ORANGE, remains unchanged, but holders in Sicily are more hopeful of an advance in sympathy with that in lemon oil and bergamot, although it must be said the position of these articles is independent one from the other; 7*s.* 8*d.* per lb. f.o.b. Messina is quoted in one quarter.

OIL, PEPPERMINT.—There is no abatement in prices in the United States, from whence our New York correspondent reports a considerable business. On the spot, however, very little interest is shown, and prices are below the U.S. parity, Wayne County "tin" oil offering at 6*s.* 3*d.* for finest brands, and for H.G.H. 8*s.* 11*d.* is quoted. Japanese dementholised (Kobayashi) is offered at 4*s.* 9*d.* and Suzuki at 4*s.* 8*d.*, and to arrive Kobayashi is quoted 4*s.* 6*d.* c.i.f.

OIL, PETITGRAIN.—The price of finest brands Paraguayan is from 9*s.* 3*d.* to 9*s.* 6*d.* per lb.

OILS, FIXED.—*Linseed* is steady at from 20*s.* 4½*d.* to 20*s.* 6*d.* per cwt. spot in pipes, and 20*s.* 9*d.* in barrels. The spot prices for Ceylon *Coconut* are unchanged at 29*s.* and at 33*s.* 6*d.* for Cochin, but prices for shipment are easier. *Cottonseed* is firmer at 23*s.* for crude on the spot, at 24*s.* 6*d.* for ordinary pale, and 26*s.* for sweet refined. *Rape* is nominal at 27*s.* for ordinary brown naked, English refined in casks being worth 29*s.* *Jamba* is nominal, and *Ravison* is quoted at 25*s.* naked. *Turpentine*, on the week, is 6*d.* easier, American offering on the spot at 26*s.* 3*d.*, and April, 26*s.* 4½*d.* *Petroleum* is quiet and unchanged at from 5½*d.* to 6½*d.* for Russian, 6½*d.* to 6¾*d.* for ordinary refined American, and 7½*d.* to 7¾*d.* per gal. for water-white.

OLIBANUM.—Steady, with sales of ordinary to good drop at from 26*s.* to 40*s.*, and garblings at 15*s.* per cwt.

OPIMUM.—There is practically nothing doing on the London market, and last week's quotations still hold,



Turkey druggists' offering at from 17s. 6d. to 14s. 5d. per lb., and at 14s. to 14s. 6d. for Persian.

A Smyrna correspondent writes on March 6 that the market has been quiet, holders being unwilling to make concessions in view of the little demand. In spite of this calm and the anxiety of holders to realise, the sales this week were completed with difficulty. They comprise 10 cases old extra Karahissar at the equivalent of 15s., 1 case new ditto at 12s. 6d., and 13 cases new prime at 11s. 5d. to 10s. 11d. per lb., c.i.f. European ports. Market closes rather weak, and it is practically certain that holders desirous of realising will eventually make concessions, at least for important business. It must not be forgotten that practically the whole of the Smyrna stock is in bankers' hands, and that at the end of the month the quarterly sales will take place. Another correspondent writes on March 6 confirming the above, and adding that these sales have served to check the exodus of goods to Constantinople, and all efforts to reduce prices by buyers have proved useless, holders of good qualities only parting reluctantly with their goods. The arrivals amount to 2,054 cases, against 1,357 cases at the same time last year. A further advice from Smyrna, dated March 15, states that the sales for the week amount to 74 cases for the United States and England, at from 100 to 120 pts. for current qualities, or 11s. 2d. to 13s. 4d. c.i.f. European ports. The pressure brought to bear by the banks continues to influence the course of prices, and the attempts made at Constantinople to sell a certain quantity have only had a bad effect in checking the inclination to buy and causing the holders to make concessions. For several months these have been the first transactions in current qualities on our market, and this has induced holders to reduce their prices. A few sales on a larger scale of current qualities will suffice to change the situation. The arrivals amount to 2,040 cases, as compared with 1,359 cases last year.

OTTO OF ROSE is firm, especially in view of the trend of events in the Balkans; finest brands are offered at 26s. per T. oz.

PEPPER.—At auction 50 bags of Singapore were bought in at 5½d. for greyish. Privately the spot demand is quiet at 3½d. for fair Singapore quality, and for arrival a considerable business has been done, including 100 tons at 2½d. to 23½d. for May-June and July shipment. Of White pepper at auction 73 bags of good Muntok were bought in at 5½d. Privately fair Singapore is offered at 4½d. on the spot, and to arrive a fair business has been done, including March-May and June-August shipment at 4½d. c.i.f. d/w. Market closes dearer.

PIMENTO.—At auction 275 bags were offered and bought in at from 2½d. per lb. for ordinary to fair. To arrive sellers quote April-May shipment at 18s. 9d. per cwt. c.i.f., being easier.

PODOPHYLLUM.—A fair business has been done at 36s. c.i.f. for round lots, and on the spot the value is about 57s. 6d.

QUININE.—The exceedingly small shipments of bark from Java for the first half of March have occasioned rather more inquiry at the former quotations, which are 7½d. for the best German brands from the makers, 7d. to 7¼d. from second-hands, and 6½d. for "outside" makes.

SANTONIN.—Extreme scarcity continues, and consumers have had this week to pay from 14s. to 15s. per lb. for small lots.

SARSAPARILLA.—Mexican is tending higher in New York, it being doubtful if any is obtainable at 4½d. c.i.f. The arrivals comprise 12 bales of red native Jamaica and 15 bales of Lima-Jamaica, but no grey. Several of Guatemala character have arrived.

SENEGA is firm at 1s. 11d. c.i.f., and on the spot nothing is now obtainable below this figure.

SHELLAC.—The spot market for TN is firmer, with small sales on a basis of 72s. for fair free TN orange, and for arrival TN for March-May shipment has changed hands at 71s. c.i.f. Futures are firm, March having sold at 71s., May at 75s. to 72s., and August at 76s. to 72s. to 74s.

SODA NITRATE.—A Reuter's telegram from Santiago de Chile, dated March 15, states that negotiations for the renewal of the combination of nitrate producers are proceeding actively and are expected to be concluded before March 31. The combination will aim at a restriction of the output in order to prevent an increase in the stocks lowering prices.

STARCH POWDER, in sympathy with glucose, has advanced to 12s. per cwt. ex wharf London for March-May delivery for America.

TAMARINDS.—At auction 97 barrels of Barbadoes were bought in at 12s. per cwt. in bond.

TAPAXACUM.—The recent severe weather appears to have affected the collection in Germany for the moment, and the higher figure of 37s. 6d. c.i.f. is quoted for whole root. English is worth about 40s.

### Heavy Chemicals.

There seems to be a slightly improved demand in the heavy chemical market both for main and miscellaneous products, and also as regards both home and export requirements. This more particularly applies to prompt delivery, and both inquiries and actual business for deferred delivery continue to be disappointing. Values on the whole are steady and without important fluctuation.

SULPHUR OF AMMONIA, although on the quiet side as regards business, is somewhat firmer in tone, and tendency of prices seems towards advancement. Present nearest figures are: Beekton forward 11½, 17s. 6d., Beekton terms 11½, 7s. 6d., to 11½, 10s., Leith 11½, 15s., Liverpool 11½, 10s., and Hull 11½, 10s. There is a very fair inquiry for forward delivery, but since purchasers' ideas rule about spot prices sellers show no eagerness to complete business.

LEAD PRODUCTS are somewhat firmer and are in fair request. White acetate of lead 24½ to 24½, 5s., and brown acetate of lead 19½, 7s. 6d. to 19½, 12s. 6d. Nitrate of lead 23½, 10s. to 23½, 15s. per ton, and all less 2½ per cent. Glasgow. White lead 16½, 15s., and red lead 15½, 15s. per ton, Tyne.

BARIUM PRODUCTS maintain a very steady tone and general demand on the whole is very satisfactory. One of the main raw materials—namely, the mineral carbonate of barytes—is practically sold out for this year. Blanc fixe, pure precipitated sulphate of barytes in paste form, 6½, 15s. to 7½, 10s. per ton in usual casks. Mineral sulphate of barytes 40s. to 100s. per ton, according to quality, quantity, and package. Chloride of barium, ordinary refined crystals, 7½ to 7½, 10s. per ton. Crude calcined sulphide of barium, 70 to 75 per cent., 5½, 5s. to 5½, 17s. 6d. per ton. Hydrate of barium, purest crystals, 13½, 10s. to 14½, 10s. per ton in 6 to 7 cwt. casks, and fused concentrated barium hydrate, 56 to 60 per cent. BaO, solid, in 5 to 6 cwt. drums, 13½, 15s. to 15½, per ton. Crushed quality, in special drums about 3 cwt. each, 30s. per ton extra.

### American Drug-market.

New York, March 9.

Business in drugs continues rather quiet, with small jobbing orders comprising the bulk of the movement. The general tone of the market is steady, but in few instances have price changes in either direction extended beyond fractional limits. Opium is somewhat easier; cocaine is dearer.

ALOES.—Supplies of Curaçao in boxes are quite equal to the present demand, and the market is barely steady on the basis of 7c. to 7½c. Gourds and Cape varieties are available at former prices.

CASABA SAGEADA.—Demand for manufacturing supplies has improved slightly during the interval, and in some quarters firmer views are maintained. The larger dealers continue to quote 8½c. to 9c., but concessions on firm orders are less readily obtained.

CANADA BALSAM continues extremely scarce on spot, and there is at present practically nothing available at primary sources of supply. Quotations are \$6.50 per gal. for barrels, \$6.60 for cans, with the tendency of the market upwards.

COPAIBA.—Shipments of C. and S. American for this port have been rather light for some time, and prices for genuine product are quite steady at the former range of 50c. to 55c., with enhanced value likely to attend any increased demand. Some grades of Pará are available at 55c., but 60c. to 65c. is usually asked.

HYDRASTIS is lacking in new features, demand continuing of moderate proportions with prices steady at \$1.85 to \$1.90 for fall-dug.

JALAP.—The market is rather unsettled, with quotations showing the wide range of 25c. to 35c. Some recent arrivals are said to have been sold at the lower figure, while other dealers are firm at 30c.

MANDRAKE is maintained in firm position, although demand has fallen off somewhat; 7½c. was reported paid for a moderate parcel.

OPUM is not at all active, and values are a shade lower at \$4.35 for cases. Demand is confined mainly to the jobbing lots required for immediate use.

PEPPERMINT OIL (AMERICAN).—Prices for "tin oil" are well maintained at \$1.45 to \$1.55 on spot, and considerable business has been done. The country position continues rather firm, and there is no apparent anxiety to sell. Cassia oil is moving freely at \$2.00 to \$2.15.

SENEGA (WESTERN) is following a routine course, with quotations at 44c. to 45c., as formerly.



**TO CORRESPONDENTS.**—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop stamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

**BUSINESS INFORMATION.**—We supply by post (when a stamped and addressed envelope is provided) information as to the makers or agents for articles connected with pharmacy and the chemical and drug trades. Inquiries regarding any articles which cannot be traced are inserted under "Information Wanted."

#### Goodwill.

Sir,—In reply to your correspondent "Inquirer" there is no general rule for the estimation of the goodwill of a business. A concern that will require all the attention of a purchaser and be only kept going by his own effort and bring in very little over his own market value as an assistant is not worth a goodwill. The more a business depends upon the personality of the proprietor the less is the chance of obtaining anything beyond intrinsic value of stock and fittings. A man will sometimes give a special price for a snug business because there may be something about it that especially appeals to him, and he wishes to secure it. Of course, net profit should be the basis of calculation, but, generally speaking, very few businesses short of a turnover of 1,500% bring in any goodwill at all. To sum up, "goodwill" is the difference between stock and fittings value and a fancy price which is rendered possible either by competition between purchasers or the luck of meeting with a buyer who has taken an especial fancy to the business. As an example of the amount of goodwill likely to be obtained, three businesses recently disposed of, with returns of 1,200%, 1,500%, and 2,000% respectively, brought in goodwill of 50%, 50%, and 150%, the last being exceptionally good value without personality, and all three very moderate rentals, which is also a factor in the case. A valuable proprietary having a field of sale beyond the ordinary shop proprietary is, of course, a matter for separate treatment. If in doubt in any special case as to whether a business would be likely to bring in a goodwill, any chemists' valuer of repute would give his candid opinion as to the chances upon hearing details of the case.

Yours faithfully,

THOS. TOMLINSON & SON.

29 New Cannon Street, Manchester.

#### "The Evolution of the Modern Tablet-machine."

SIR,—We have read with interest the article in THE CHEMIST AND DRUGGIST for March 13 under the above title, but we wish to differ from your contributor when he says that "the high-class English rotary tablet-machine is streets ahead of its rivals." For some years we have been the sole agents of the F. J. Stokes Machine Co., of Philadelphia, who are one of the largest manufacturers of pharmaceutical machinery in the world. As is well known, they manufacture a machine called the "Clark Rotary Tablet-machine." We think we are correct when we say there is no rotary machine on the market that is giving such universal satisfaction to its users. This machine was designed and patented in the laboratory of Messrs. Parke, Davis & Co. at Detroit, where it has now been in use for many years. The F. J. Stokes Machine Co. purchased the patents, and are now the sole makers of the Clark Rotary Tablet-machine. To give some idea as to the satisfaction that this machine gives, it may interest your readers to know that there are more than fifty of these machines in constant use in Messrs. Parke, Davis & Co.'s laboratories.

The machine was shown in operation at the Chemists' Exhibition held in London last May (1908), and several points in its favour were admirably shown. It is fitted with a special friction clutch, doing away with the old tight and loose pulley, and insures ease and rapidity of operation. All working parts of the machine, bearings, etc., are carefully protected from dust, yet are instantly accessible to the operator while the machine is either in motion or at rest. This makes it possible to make all adjustments for weight and pressure while the machine is running. There are no revolving cams or vibrating parts, so it is practically impossible for the machine to get out of order. The adjustments are extremely simple, and are made with the hand, no tools being required. All adjustments are self-locking, and the machine will run positively true without variation of pressure or weight of tablet. The feeding and compressing operations are separate and distinct, and do not conflict with one another, allowing a much greater time for feeding than is possible in any other machine. It is generally known with oscillating and vibrating feeding-devices the tendency is to separate the coarse from the fine granules; this causes irregularity of feed and constant changing of weight of tablet. This does not occur with the machine which we refer to, as a constant circulating operation is going on, giving the same mixture and weight with a nearly empty feed-box as with one full. In feeding, the lower punch is pulled down lower than is necessary, allowing more material to enter than is needed to make the tablet; before passing from under feed-box lower punch is raised to the proper height and the surplus expelled. This insures every die being evenly filled, and enables the machine to handle light fluffy materials accurately. There are other points of distinction in the machine to which reference might be made, but sufficient has been said to show in what respects your contributor's generalisation should be modified.

51 Piccadilly, Manchester.

THOMPSON & CAPPER.

#### Directory Advertisements.

Mr. W. E. Goff, Ph.C., 34 and 36 High Street, Dartford, would be glad if any chemist who has been called upon by any person purporting to be a representative of the "National and Provincial Trades' Directory," printed in Hull, would communicate with him at the above address.

#### Daylight-saving Bill.

SIR,—With reference to "Xrayser's" remarks on this Bill, it is difficult to understand how he draws the conclusion that the Bill will mean that the hours of work of chemists will be one hour per day longer than they are now. Whatever reason can there be why a chemist who now closes at 7 p.m. by the clock should, if the Bill passes, suddenly decide to close in future at 8 p.m. by clock? His reasoning is certainly beyond me, unless in his district chemists make it a fixed rule "never to round off their day's work without a gas-lighted finish." to use "Xrayser's" words.

Yours faithfully,

H. W. W. (244/11.)

#### Bermuda Arrowroot.

SIR,—Shortly after I wrote to you on the subject of arrowroot not originating in this island being sold as "Bermuda arrowroot" (see *C. & D.*, February 3, 1906, p. 204), Mr. C. A. Hill stated (*C. & D.*, March 24, 1906, p. 463) that "arrowroot is sold at an enhanced price on account of the phenomenon 'Bermuda' notwithstanding the fact that it has never seen that island." My agents in London inform me that the sale of spurious Bermuda arrowroot has had a very severe check since then, but it is not yet completely stamped out, and in the interests of pure trading I again write on the subject. During the last four years the crop of arrowroot in Bermuda has been exceedingly small, and, with the exception of a small parcel previously noted by me, the exports to the United Kingdom consist of the consignments to my agents of the E in diamond brand. This information is certified by the official record. These limited supplies have undoubtedly given opportunity to certain unscrupulous people to work the fraud upon unsuspecting druggists and grocers, who in all innocence pass it on to the public. This year, however, the crop will be larger, and I trust to be able to ship a quantity sufficient to enable dealers to procure their supply of the genuine article. The first arrival of the new crop



will reach England about the end of March. I am naturally deeply interested in the welfare of this product, and if an inferior article is foisted on the public as the genuine Bermuda, it must seriously have a prejudicial effect on the latter. The finest arrowroot in the world is grown and manufactured in Bermuda; it is different in almost every respect from the arrowroot starches prepared in other countries. This superiority is due not only to its finer grain and the greater quantity of starch which it contains, but also to its freedom from foreign ingredients. I feel this matter of the sale of inferior products as "Bermuda arrowroot" is not only a fraud upon the public (in the double sense that it is inferior dietetically and medicinally, and is a cheap article sold at a high price) but of very great importance to the interests of this little Colony of Bermuda, and druggists especially may do much to ensure that the public are supplied with the genuine Bermudan product.

Yours very truly,

W. T. JAMES.

Hamilton, Bermuda, February 20.

#### Joint Proprietaries.

SIR,—I quite agree with "Manchester Chemist" and the others who back him. I believe quite halt of the returns of retail chemists are for "patents," and it is high time that something was attempted to give chemists a fair share of profit on these articles. Wholesale houses may put up the goods well, but do not give the material for window display, etc., to sell them. At the start there is no need for thousands of pounds to advertise. A considerable trade could be done by smart window displays only, and if one chemist attempts this, the cost is prohibitive; but if a number co-operated it would become eminently practical.

Yours faithfully,

SEBURN CHEMIST. (241/43.)

SIR,—I believe the letter of "Manchester Chemist" has attracted considerable attention—sufficient, in fact, to warrant a meeting being called to discuss the practicability of the scheme—and I would suggest Manchester as a good centre, and Easter Monday as a day on which a good attendance might be expected, on account of the cheap trains from all parts. I think "Manchester Chemist" would be rendering a service to fellow pharmacists if he would organise a meeting for that date, subject to his receiving a minimum of twenty acceptances to his invitation, which should be sent to an address in Manchester, along with an undertaking to be responsible for a share in the expenses of the meeting. A circular letter might with advantage be addressed to associations in Lancashire, Yorkshire, and neighbouring counties, inviting them to send representatives. It was my privilege to be a guest of Mr. Lever's at Port Sunlight last April, and during an impromptu meeting of pharmacists at the Exchange Hotel, a suggestion was made that a meeting of British pharmacists might with advantage be held every year in Liverpool or Manchester, as being fairly central for Britain. I would suggest meeting at 1 or 1.30, and continuing the session to the early evening, to enable those whose trains leave early to attend. Even if "Joint Proprietaries" should be exhausted at the first meeting, such a gathering of pharmacists could spend the further time with pleasure and profit in discussing the many problems by which we are surrounded. Invitations would, of course, only be extended to pharmacists in business on their own account.

A HULL CHEMIST. (244/12.)

Subscriber (243 18) also sends a letter in regard to the formation of an association to promote this object, and asking all interested to write to him at an address in London which we have.

#### Registration without Examination.

SIR,—With regard to the Army dispensers, I think I can speak for most of them, and believe they would be satisfied if they are allowed to dispense and sell poisons and act as chemists' assistants without the title. I think, as an old Army dispenser, the chemist would have no reason to grumble, and they would find these men useful, as in experience they are good all-round men, and hard working—at the same time cheaper.

Yours faithfully,

ARMY DISPENSER. (242 54.)

J. L. A. P. (241/51) also writes on this subject. He wrote before as "Plausible Applicant" (C. & D., Febru-

ary 13, p. 275), using similar arguments, to the effect that the Pharmaceutical Society is bound to put the provisions of Section 4 into force. He says the certificate of the Apothecaries' Society is sufficient for registration, and so on. We have no room in these columns for such letters, nor can we tolerate anything which tend to create fictitious interest in current topics. Once a correspondent adopts a *nom de plume* when writing on a subject, he should stick to it throughout.

#### Qualified Dispensers.

SIR,—I shall be glad to hear from your correspondents whether the new Act affects the qualified public dispenser, for good or otherwise, in his competition with the Army compounder and unqualified dispenser. I am afraid that this class of pharmacist is somewhat neglected by the Pharmaceutical Society, and this neglect is reflected in the local Associations. I have been in my present position more than ten years, but have never yet had the honour of being invited to join the Association in the city. I have, however, been approached several times by the local secretary of the Pharmaceutical Society, but have not yet been convinced that it takes much interest in the public dispenser.

Yours truly,

C. & D. (244/21.)

#### Legal Queries.

Before submitting questions for reply in this section please refer to the "C. & D. Diary, 1909" for the following subjects: Income-tax, p. 220; Pharmacy Law and Poisons, p. 216, (abroad) p. 211; Spirit Laws, p. 229; Stamped Medicines, p. 221; Trade-marks, p. 194; Wines, Sale of, p. 231; and Legal matters generally, p. 233.

A. T. W. (222/73) quotes the following from our issue of February 13, p. 277:

*Staphis* (191/66).—Stavesacre is not of itself a scheduled poison, but admixtures or preparations of stavesacre contain poisonous vegetable alkaloids and in consequence are included in Part II. of the Schedule; therefore nursery-pomades or nit-ointment made of stavesacre by digesting the seeds in a base will be a Part II. poison.

"A. T. W." adds: (1) I have in mind a preparation for external human use made partly from tobacco leaves. If one substitutes the word "tobacco" for "stavesacre" in your reply to "Staphis," which seems legitimate, would this preparation come under the Schedule? And, if so, would snuff, as an admixture or preparation containing nicotine, not be also scheduled? I note that Section 2 mentions tobacco only in connection with agricultural and horticultural purposes. (2) Would stramonium in asthma-powders for inhalation and in cigarettes combined with eucalyptus, etc., come under the Schedule? [We have also received independent inquiries in regard to tobacco preparations made either from the juice of tobacco or from the powder with diluents, which in both cases contain less nicotine than the original tobacco. So far as Section 2 is concerned it is clear that any poisonous substance containing tobacco or the alkaloids of tobacco is within the section, and can only be sold by duly registered chemists or by persons licensed by the local authority. The section is conclusive as to that, but as regards the sale of substances containing tobacco, and not prepared for the specific purposes mentioned in Section 2, we do not find tobacco in the Schedule of poisons, and it does not necessarily follow that an admixture of powdered tobacco with unscheduled substances is brought within the Schedule, or that preparations of tobacco are also brought in. If the latter be taken as the interpretation of the Part 2 "all preparations or admixtures" entry, then practically all smoking-tobaccos (being preparations of the leaf) would be scheduled poisons, which is absurd. Asthma-powders containing stramonium (which is not a scheduled poison) are not parallel to stavesacre ointment, which is a preparation that does not contain stavesacre, but the poisonous alkaloids extracted from it. We expect that in practice admixtures of drugs containing poisonous alkaloids, but not specifically scheduled, will be treated as the drugs themselves.]

*Bismuth* (234/59) say: We are at present trading as wholesale and retail chemists and druggists, although no member of the company is a qualified chemist and no qualified assistant is employed in either the wholesale or the retail; we do not sell poisons nor intend to do so. The wholesale and the retail businesses, although carried on on the same premises, are totally separate and distinct, and in order to comply with the requirements of the Poisons and Pharmacy Act, 1908, we propose to carry on our wholesale business as before, with the title of "wholesale chemists and druggists" and our retail business under the fresh title of "drug-stores." Are we quite





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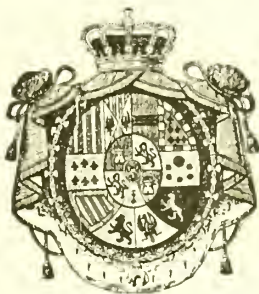


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**Concentrated Crystal Soda.** This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

**Pure Alkali.** 58 Degrees. A dry white powder; dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

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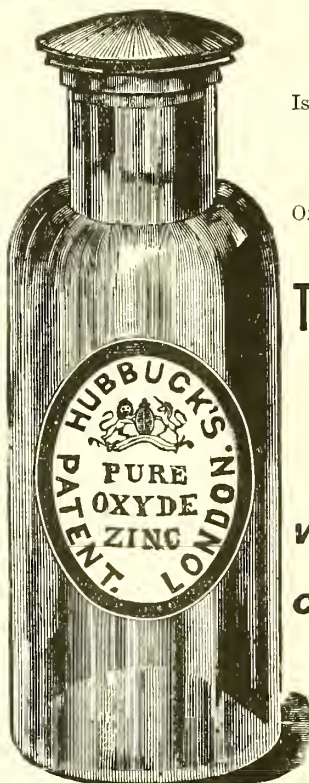
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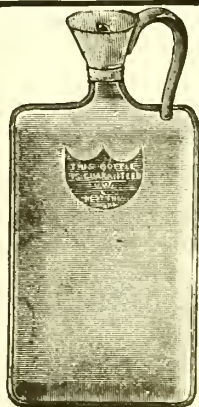
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Ammon. Benz., B.P., 7 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.

**Ammon. Brom., P.B., 1 cwt. @ 1/1½ lb.; 7 lbs. @ 1/3 lb**

Ammon. Chlor., 99% pulv., 1 cwt. @ 33/- cwt.; 7 lbs. @ 4d. lb.; Batteries, 4/- cwt. extra.

Apol., 1 lb. @ 13/9 lb.

**Bismuth, P.B. Carb., 28 lbs. @ 7/7 lb.; 7 lbs. @ 7/10 lb.; 3 lbs. @ 8/1 lb.; subnit., 1/- lb. less.**

**Camphor, English Flowers, "not artificial" 5 lbs @ 2/- lb. ½ oz. 7 lbs. @ 2/3 lb.; ½ oz. 7 lbs. @ 2/5 lb.; 1 cwt. lots, 1d. lb. less; Japan Refused, ½ oz. 7 lb. @ 2/- lb.**

Cocaine Hydrochlor. P.B., 25 oz. @ 4 oz.; @ 7/10 oz.; 1 oz. @ 8/- oz.

**Crease Tartar, 98% powder, 1 cwt. @ 74/- cwt.; 7 lbs. @ 9d. lb.**

Creta Gall. Pulv., 10 cwt. @ 6/- cwt.; 1 cwt. @ 7/- cwt.; 14 lbs. @ 1½d. lb. in sacks.

TABLETS COMPRESSED—cont.

Ammonium Chloride, gr. 5 .. .. 2/-

Antifebrin, gr. 5 .. .. 2/6

Antifebrin, gr. 4 c. Caffeine Cit. gr. 1 .. 3/8

Blagd's (Sugar-Coated), gr. 5 .. .. 2/6

Ditto, with Arsenic 1-100th gr. and Strychnine 1-100th gr. .. .. 2/8

Borax and Potas. Chlor., aa, gr. 2½ .. 1/-

Caffeine Citrate, gr. 2 .. .. 1/-

Caffeine Compound .. .. 4/4

Caffeine, 1 gr.; Phenacetin, 5 grs.

Cascara (Extract P.B.), gr. 2 (Sugar-Coated) .. .. 2/3

Cascara (Extract P.B.), gr. 4 .. .. 4/2

Cascara Co. (Sugar Coated) .. .. 1/4

Ext. Cascara, Sagrad., 1 gr.; Eudymmin., ½ gr.; Ext. Hyoscy. Virid., ½ gr.; Ext. Nucis Vom., ½ gr. .. .. 5/3

Easton's (Sugar-Coated) .. .. 3/6

Equivalent to 1 drachm of Syrup, B.P. 1898.

Easton's (Sugar-Coated) .. .. 3/6

Equivalent to ½ drachm of Syrup, B.P. 1898.

Guaiaac Carbonate, gr. 5 .. .. 10/8

Guaiaac Compound .. .. 2/6

Res. Guaiaac, Sulph. Sublim., aa. 2½ gr

Hypophosphite Compound (Sugar-Coated) 4/-

Eqvint to 1 drachm of Syrup, B.P.O.

Lithium Citrate, gr. 5 .. .. 9/-

Nitroglycerin, P.B., gr. 1-50th .. .. 2/6

Papain, gr. 1 .. .. 13/6

Parrish's (Sugar-Coated) .. .. 2/10

Equivalent to 1 drachm of Syrup.

Pepsin, P.B., 1-2500 (Sugar-Coated), gr. 2 7/4

•Tinct. Cantharidis, P.B., 5 lbs. @ 3/- lb.; bond 6d. lb.

•Tinct. Capsici B.P., 5 lbs. @ 2/8 lb.

•Tinct. Card. Comp. P.B., 5 lbs. @ 1/11 lb.; bond, 6d. lb.

•Tinct. Catechu P.B., 5 lbs. @ 2/1 lb.; bond, 7½d. lb.

•Tinct. Chlorof. o. Morph. Comp. B.P. 1886, 5 lbs. @ 1/10 lb.; bond, 1/5½ lb.

•Tinct. Cinchon. Comp. B.P., 5 lbs. @ 2/9 lb.; bond, 10½d. lb.

•Tinct. Cinchon. Rub. P.B., 5 lbs. @ 2/6 lb.; bond, 10d. lb.

•Tinct. Digitalis B.P., 5 lbs. @ 2/1 lb.; bond, 5½d. lb.

•Tinct. Gelsem. B.P., 5 lbs. @ 2/3 lb.

•Tinct. Gentiane Comp. P.B., 5 lbs. @ 1/7 lb.; bond, 6d. lb.

•Tinct. Hyoscyami, B.P., 5 lbs. @ 2/8 lb.; bond, 6d. lb.

•Tinct. Iodi B.P., 5 lbs. @ 3/2 lb.; bond, 1½ lb.; decolor, 5 lbs. @ 3/8 lb.

•Tinct. Lavandule Comp. B.P., 5 lbs. @ 3/- lb.; bond, 6½d. lb.

•Tinct. Myrrhas B.P., 5 lbs. @ 3/- lb.; bond, 9d. lb.

•Tinct. Nucis Vom. B.P., 5 lbs. @ 2/3 lb.; bond, 5½d. lb.

•Tinct. Opil B.P., 5 lbs. @ 2/7 lb.; bond, 1/11 lb.

•Tinct. Opil Amon. B.P., 5 lbs. @ 3/8 lb.

• " Opil Aquos, 5 lbs. @ 2/1 lb.

• " Quinine Amm. B.P., 5 lbs. @ 2/2 lb.; bond, 11d. lb.

•Tinct. Rhei Co. B.P., 5 lbs. @ 1/9 lb.; bond, 8d. lb.

## Camphor Japan

## Cod Liver Oil

## Zinc Oxide

Ess. Lemon (Oil), Original Coppers, 12 lbs. @ 3/6 lb.; 6-lb. bots. @ 4/6 lb.; not guaranteed absolutely pure.

Ext. Ergot. Liq. P.B., 5 lbs. @ 3/- lb.; 1 lb. @ 3/2 lb.

•Lin. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.

Ol. Citronelle, 40 lbs. @ 1/4 lb.

Ol. Olive, P.B., good yellow, 2 galls. @ 5/9 gall.

Soda Sulphocarbolas B.P., 7 lbs. @ 10½d. lb.; 1 lb. @ 1/1 lb.

•Spt. Ether Nit. P.B., 4½ lbs. @ 2/9 lb.; 1 lb. @ 2/11½ lb.

•Sp. Ammon. Aromat. P.B., 5 lbs. @ 2 1½ lb.

•Spt. Chloroformi P.B., 5 lbs. @ 2/10 lb.

Strontine Bromid., 1 cwt. @ 1/2½ lb.; 7 lbs. @ 1/4½ lb.; 1 lb. @ 1/6 lb.

Strychnina cryst. B.P., 100 oz. @ 1/5½ oz.; 25 ozs. @ 1/6½ oz.; 1 oz. @ 1/10 oz.; Hydrochlor. and Nitrate, 2d. oz. less. [7d. lb.]

Sugar of Milk, B.P., 1 cwt. @ 48/- cwt.; 7 lbs. @ Sulphonal B.P., 1 lb. @ 9/6 lb.

•Syr. Aurant. P.B., 7 lbs. @ 8d. lb.

•Syr. Easton B.P., 7 lbs. @ 1/- lb.

• " Ferri Iodid. P.B., 7 lbs. @ 1/1 lb.

• " Ferri Phosphat. Co., 7 lbs. @ 5d. lb.

• Hypophosph. Co. B.P.O., 7 lbs. @ 9d. lb.

• Pruri Virg. B.P., 8 lbs. @ 7d. lb.

• Rhamni, 7 lbs. @ 10d. lb.

• " Rhei P.B., 7 lbs. @ 7½d. lb.

• Scillae P.B., 7 lbs. @ 4½d. lb.

• Sennae P.B., 7 lbs. @ 8d. lb.

• Tolut. P.B., 7 lbs. @ 7d. lb.

### TABLETS COMPRESSED.

Acid Acetylo-Salicyl, gr. 5 .. .. 3/11

Aloin (Sugar-Coated), gr. ½ .. .. 5/-

Ammonium Bromide, gr. 5 .. .. 3/2

" " gr. 10 .. .. 4/9

\*Minimum quantity at these prices, Home Trade, 3 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted.

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Extractum				s.	d.	Infusum (Conc. 1-7)				s.	d.	
Quassia	7 lbs.	lb.	5	9	1 lb. 6/4	Gentian. Co.	6 lbs.	lb.	9	3 lbs.		
Sarsae Jam Co.	7 lbs.	"	4	6	1 " 4 9	Quassia	6 lb.	"	7 1/2	1d. lb.		
" V.C. Co.	7 lbs.	"	3	7	1 " 3 10	Rhei	6 lbs.	"	11	extra.		
" Liq. B.P.	5 lbs.	"	2	0	1 " 2 3	Rosae Acid.	6 lbs.	"	1 6	2 lbs.		
Stramonii B.P.	1 lb.	"	11	6		Scoparii	6 lbs.	"	11	-2d. lb.		
Sennae Liq.	1 lb.	"	2	0		Senegae	6 lbs.	"	1 6	extra.		
Taraxaci	1 lb.	"	1	6		Sennae	6 lbs.	"	10	1 lb.		
" Liq. B.P.	1 lb.	"	3	0		Serpentariae	6 lbs.	"	1 8	3d. lb.		
						Uvae Ursi	6 lbs.	"	1 0	extra.		
Ferri.						Insect Powder, Finest (Closed Flowers)						
Carb. Sacch. B.P.	7 lbs.	"	6	1	" 8d.	" Foreign	7 lbs.	"	1 9	No. 2 7 lbs. 1/3		
et Ammon. Cit. B.P.	28 lbs.	"	1 4 1/2	7	" 1 16	Iodoform Pulv. B.P.	7 lbs. @ 12					
" Quinin. Cit. B.P. (1 oz.						Iodum. Resub. B.P.	3 lbs.	lb.	12 3	1 lb. 12 6		
Vials 1d. oz. extra)	100 ozs.	oz.	3	25	ozs. 3 1/2 d.	Iridin	7 lbs.	"	10 6	1 " 11		
Glycerophosph.	1 lb.	lb.	9	6		Jalapae Resina B.P.	1 lb.	"	10 0			
Hypophosph.	1 lb.	"	4	3		Jalapine Pulv.	1 lb.	"	18 3	Pulv. 18 9		
Iodid.	1 oz. s. bots.	oz.	10			Leptandrine	1 lb.	"	25 0			
Lactophosphate	1 lb.	lb.	4	3		Lign. Guaiaci Rass.	1 lb.	"	10 6			
Pyrophosphate	1 lb.	"	2	3		" Hamatox.	1 cwt.	cwt.	12 0	14 lbs. 2d.		
Sulph. Pur. Gran. B.P.	1 cwt.	cwt.	14	0		" Quassia	1 cwt.	"	12 0	14 " 2d.		
Valerianate	1 lb.	lb.	5	0		" Santal Rub.	1 cwt.	"	13 0	14 " 2d.		
Ferrum Redact. B.P.	1 lb.	"	2	0		" Sassafras. Incis.	1 cwt.	"	16 0	14 " 2 1/2 d.		
" Tartaratum B.P.	1 lb.	"	2	2		Linimentum						
Flores Anthem. Nov.	7 lbs.	"	6			Aconiti Meth.	6 lbs.	lb.	10			
Fol. Buchu.	7 lbs.	"	1	0		Belladonnae Meth.	6 lbs.	"	1 2			
" Sennae Tinn.	28 lbs.	"	3 1/2	7 lbs. 4d.		Camph. B.P.	40 lbs.	"	1 0	9 " 1 1		
Formaldehyde, 40%	5 lbs.	"	7			" Ammon. Meth.	6 lbs.	"	11			
Gallae Caeulæ, Pulv.	7 lbs.	"	1	1		Potass. Iodid. c. Sapone	1 lb.	"	2 0			
Gelatine. B.P., Thin Sheet	7 lbs.	"	11			Saponis Meth.	6 lbs.	"	6 1/2			
Gingerine	5 lbs.	"	9	0	1 lb. 9 6	Lint	1 cwt.	"	1 1	7 " 1 2		
Glycerinum B.P., D.D. 1/260	1 cwt.	cwt.	70	0	56 " 71 1/2	Liquor						
Acid Boric B.P.	6 lbs.	lb.	1	0	12 " 8 1/2 d.	Ammon. Acet. Conc. 1-7	6 lbs.	"	9			
" Carbolic B.P.	6 lbs.	"	1	0	3 " 1/1	" " " 1-5	6 lbs.	"	7 1/2			
" Tannic B.P.	6 lbs.	"	1	1	3 " 1/2	" Aromat.	6 lbs.	"	8			
Belladonnae B.P.C.	6 lbs.	"	1	8	3 " 1/9	Arsenicalis B.P.	7 lbs.	"	4			
Boracis B.P.	6 lbs.	"	11	3	1/1	Arsenii Hydrochlor. B.P.	7 lbs.	"	4			
Pepsini B.P.	6 lbs.	"	1	10	1 " 2	" et Hydrarg. Iodid.	7 lbs.	"	6			
Plumbi Subacet. B.P.	6 lbs.	"	1	0	3 " 1/1	B.P.	7 lbs.	"	10 1/2			
Granæ Paradisæ, Pulv.	1 cwt.	cwt.	84	0	7 " 10d.	Bismuthi B.P.	6 lbs.	"	2 9			
Guaiacol Pur.	1 lb.	lb.	3	6		Caulophylli et Pulsatillæ	6 lbs.	"	1 4			
" Carbonate	7 lbs.	"	5	0	1 " 5 4	Cocci Opt.	6 lbs.	"	2 0			
Gum Acaciæ Sorts, Sifted	1 cwt.	cwt.	40	0	7 " 5 1/2 d.	Copaibæ Co.	5 lbs.	"	8 0			
" " Pulv.	1 cwt.	"	91	0	7 " 11d.	Epispasticus B.P.	1 lb.	"	3 3			
" " No. 2	1 cwt.	"	70	0	7 " 9d.	Euonymi et Pepsini	1 lb.	"	7			
" " 3	1 cwt.	"	52	0	7 " 7d.	Ferri Dialysat.	7 lbs.	"	5 6			
" Benzoin Sumatra	1 cwt.	lb.	1	7	7 " 1/9	" Iodid. pro Syr. 1-7	1 lb.	"	4			
(Cheaper grades down to 1/4).						" Perchlor. Fort. B.P.	9 lbs.	"	3 6			
" Gamboge, Pulv.	7 lbs.	"	3	9	1 " 4	Iodi Fort. B.P.	5 lbs.	"	2 0			
" Guaiaci	28 lbs.	"	1	0	7 " 1/1	Morph. Acet. B.P.	6 lbs.	"	2 0			
" Myrrh, Pulv. Opt.	28 lbs.	"	1	1	7 " 1/2	" Hydrochlor. B.P.	6 lbs.	"	3 3			
" Shellac Aurant.	1 cwt.	cwt.	84	0	7 " 10 1/2 d.	Opil Sedativus	5 lbs.	"	1 0			
" Tragacanth	7 lbs.	lb.	2	6	1 " 3 7/2	Papaveris Alb. pro. Syr. 1-3	6 lbs.	"	3 1/2			
" " Pulv. No. 1	7 lbs.	"	3	4	1 " 10	Plumbi Subacet. Fort. B.P.	7 lbs.	"	3 9			
" " 2	7 lbs.	"	2	7	1 " 2 10	Rhamni pro Syr. 1-7	6 lbs.	"	1 10			
" " Cheapest	1 cwt.	"	1	2	28 " 1/3	Rhei pro Syr. 1-7	6 lbs.	"	1 9			
Hamamelin	1 lb.	"	16	0		Rheados pro Syr. 1-7	6 lbs.	"	2 3			
Hexamethylentetramine	7 lbs.	"	2	2	1 " 2 4	Santal Co.	6 lbs.	"	11			
Homatropine Cryst.	15 grns.	all	11	6		Sennae Dulc.	6 lbs.	"	1 6			
" Hydrobromide	15 grns.	"	9	4		" pro Syr. 1-3	6 lbs.	"	1 3			
" Hydrochloride	15 grns.	"	9	4		Strýchnin. Hydrochlor. B.P.	6 lbs.	"	1 3			
Hydrargyrum B.P. 75 lb. bot. @ 167	10 lbs.	lb.	2	5	1 " 2 9	Tolu pro Syr. 1-7	6 lbs.	"	2 3			
Ammoniatum B.P.	7 lbs.	"	3	0		Viola pro Syr. 1-15	1 lb.	"				
c. Creta B.P.	7 lbs.	"	1	4	3 lbs.	Lithium						
Hydrargyri	7 lbs.	"	8	8	1d. lb.	Benzoate	1 lb.	"	3 6			
Iodid. Rub. B.P.	7 lbs.	"	8	8	extra.	Bromide	1 lb.	"	5 6			
" Virid.	7 lbs.	"	8	5		Carbonate B.P. 28 lbs. @ 2 2	7 lb.	"	2 4	1 lb. 2 6		
Oxid. Flav. B.P.	7 lbs.	"	3	1 1/2	1 lb.	Citrate B.P. 28 lbs. @ 2 4	7 lbs.	"	2 6	1 " 2 8		
" Rub. B.P.	7 lbs.	"	2	11	2d. lb.	Salicylate	1 lb.	"	3 6			
Perchlor. B.P.	7 lbs.	"	2	4 1/2	extra.	Magnesia Levis B.P.	5 lbs.	"	10	1 " 1		
Subchlor. B.P.	7 lbs.	"	2	6		" Ponderosa B.P.	7 lbs.	"	1 10	1 " 2		
Hydrastine (Alkaloid, Hydrochloride or Sulphate)	1 oz.	oz.	54	6	1/2 oz. 7 9	Magnesi Carb. Levis	60 lbs.	"	3	7 " 4d.		
Hydrogen Peroxide B.P.	1 gln.	gln.	2	6		" Pond.	56 lbs.	"	6 1/2	7 " 7 1/2 d.		
Hydroquinone	7 lbs.	lb.	3	9	1 lb. 4	" Sulphate B.P.	1 cwt.	cwt.	5 9			
Hyoscine Hydrobromide	15 grns.	all	3	10		Manganese						
Hyoscyamine Cryst. (Hydrobromate or Sulphate)	15 grns.	"	2	6	True 8 6	Chlorid. Pur.	1 lb.	lb.	1 6			
(Commercial)						Glycerophosphate	1 lb.	"	10 0			
Ichthyol Ammon. (Soda 4/-extra)	3 lbs.	lb.	10	9	1 lb. 11 1/2	Hypophosphite	1 lb.	"	4 3			
Infusum (Conc. 1-7)	6 lbs.	"	1	2	3 lbs.	Manna Flake	7 lbs.	"	3 6			
Anthemidis	6 lbs.	"	11	1d. lb.	extra.	Menthol	5 lbs.	"	7 6	1 " 8		
Aurantii Co.	6 lbs.	"	1	0		Mist. Bismuth. Co.	5 lbs.	"	3 0			
Buchu	6 lbs.	"	9			" " c. Pepsin	5 lbs.	"	3 6			
Calumbæ	6 lbs.	"	9			" Sennae Co. B.P.	20 lbs.	"	5	6 " 6d.		
Caryoph.	6 lbs.	"	9			Morphine Cryst.	20 ozs. 8 8	ozs.	8 10	1 oz. 9 1		
Cascarillæ	6 lbs.	"	11		2 lbs.	Præcip.	20 ozs. 8 6	ozs.	8 8	" 8 11		
Catechu	6 lbs.	"	10		2d. lb.	Acetate	20 ozs. 6 8 1/2	ozs.	6 11	" 7 2		
Chirate	6 lbs.	"	11		extra.	Bromide	20 ozs. 8 6	ozs.	8 8	" 8 11		
Cinchonæ Acid.	6 lbs.	"	1	2	1 lb.	Diacetyl	20 ozs. 10 8	ozs.	10 10	" 11 1		
" Flav.	6 lbs.	"	1	2	3d. lb.	" Hydrochl. 20 ozs. 10 2	8 ozs.	"	10 4	" 10 7		
Digitalis	6 lbs.	"	10		extra.	Hydrochl. (Pulv.) 20 ozs. 6 8 1/2	8 ozs.	"	6 11	" 7 2		

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<b>Four Shilling size</b>	12 " 9/3 do. do. or 9/- do. do.
	Under 1½ dozen 40/- per dozen net. Cash with order.
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	3 " 37/- do. do. or 36/- do. do.

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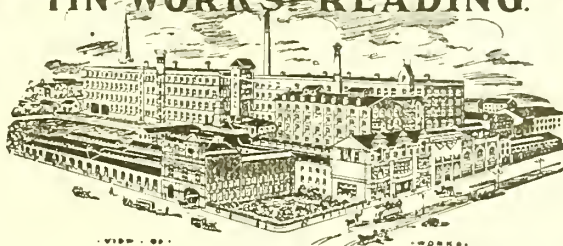
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LABELS, WHEN PRINTED TO OUR INSTRUCTIONS, WE PUT ON PILL  
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**Reduction in Prices.**

SIZES.	HEAVY. s. d.	LIGHT. s. d.	PLUSH COVERS. s. d.
6 x 8 inch ...	2 3 each	2 5 each	0 3 each
6 x 10 " ...	3 0 " "	2 8 " "	0 8 " "
6 x 12 " ...	3 5 " "	3 1 " "	0 10 " "
8 x 10 " ...	3 8 " "	3 2 " "	0 10 " "
8 x 12 " ...	4 2 " "	3 7 " "	0 11 " "
8 x 14 " ...	4 9 " "	4 2 " "	0 11 " "
10 x 12 " ...	4 9 " "	4 2 " "	0 11 " "
10 x 14 " ...	5 4 " "	4 10 " "	1 0 " "
12 x 14 " ...	6 2 " "	5 7 " "	1 2 " "

EACH ONE IN A NEAT PAPER BAG WITH DIRECTIONS FOR USING.

**A special Discount of 5% for cash with order.**

For orders of two dozen bottles assorted we will put tablet with  
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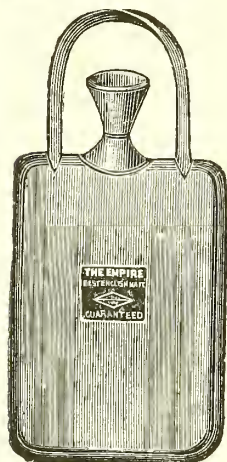


Fig. 955.

TOP HANDLE.

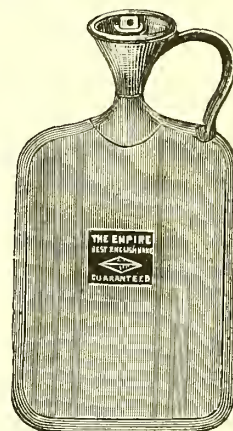


Fig. 957.

SIDE HANDLE

Carriage paid on Orders of £2 and upwards to any Town in the United Kingdom.

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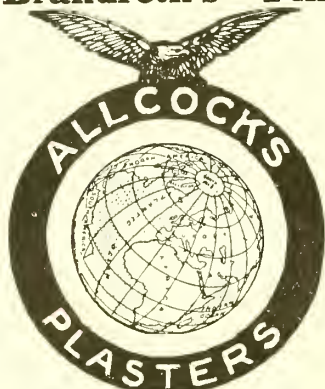
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**POROUS PLASTERS**

A REMEDY OF 60 YEARS' STANDING.

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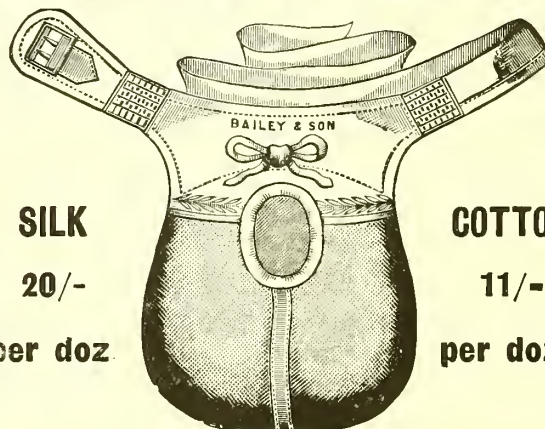
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A HANDSOME  
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**"A.B.C."**  
**SUSPENSORIES.**



**SILK**

**20/-**

per doz.

**COTTON**

**11/-**

per doz.

Assorted—A, small; B, medium; C, large bags.

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MANUFACTURERS OF

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Double size,  
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NAME on Label.  
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*For Fruit, Jelly, Jam, Marmalade, Sweets,  
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GUARANTEED B.P.  
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DISTILLED FROM EUCALYPTUS GLOBULUS.

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It is guaranteed  
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is supplied in bottles hold-  
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(in cartons).  
**PER 6/- DOZ.**  
**NET,**  
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1 lb. Bottles - **2 10** each  
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